

April 6, 2022

United States Environmental Protection Agency Land, Chemicals and Redevelopment Division, Region 5 77 West Jackson Boulevard (LR-16J) Chicago, Illinois 60604

Attention: Mr. Gregory A. Rudloff, P.G., Supervisor

Corrective Action Section 3

Reference: Corrective Action Deferment Request

Deltech Polymers Corporation 1250 South Union Street

Troy, Ohio 45373

TRC No. 459193.0001.0001

Dear Mr. Rudloff:

As a follow up to our March 8, 2022 conference call, on behalf of Deltech Holdings, LLC (Deltech), TRC Environmental Corporation (TRC) has prepared this Corrective Action Deferment Request (CADR) associated with the Deltech Polymers Corporation (Deltech Polymers) facility located at 1250 South Union Street, Troy, Ohio 45373 (the Property). This letter is intended to support our request to defer responses to historical suspected releases of hazardous substances from three abandoned in-place underground storage tanks (USTs) at the Property from the United States Environmental Protection Agency (USEPA) to the Ohio Voluntary Action Program (Ohio VAP). This CADR summarizes the previous activities undertaken at the Property in response to the suspected releases from the USTs, and also activities that will be undertaken to address the releases under the Ohio VAP. The Property consists of a 8.714-acre manufacturing facility to the west and east of South Union Street in Troy, Ohio. The Property location is shown on Figure 1.

The purpose for seeking the deferment is to resolve a potential ineligibility issue regarding the Property's participation in the Ohio VAP. In 2021, Deltech contracted with TRC to take the Property through the Ohio VAP to obtain a Covenant Not-to-Sue (CNS) from the Ohio Environmental Protection Agency by preparing a No Further Action Letter (NFAL). As part of the Ohio VAP implementation, regulatory issues are evaluated during the Ohio VAP Phase I to determine the Property's eligibility for participation in the Ohio VAP. Through this process, the reported suspected hazardous substance UST releases were identified. This unresolved suspected UST releases currently makes the affected portion of the Property potentially ineligible to participate in the Ohio VAP until resolved. As you are aware, the Ohio Bureau of UST Regulations regulated closure, but not corrective action, for USTs that contained hazardous substances.

Deltech, the Ohio VAP Volunteer, has completed a Draft Ohio VAP Phase I Property Assessment, a Ohio VAP eligibility determination, a Draft Ohio VAP Phase II Scope of Work, and has developed sufficient evidence of entry into the Ohio VAP in accordance with Ohio Administrative Code Chapter 3745-300-02.

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HISTORICAL INFORMATION

The Property is currently utilized by Deltech Polymers for the controlled reaction of styrene monomer to polystyrene pellets through extrusion, contact cooling, cutting, and straining processes. The Property features are shown on Figure 2. The Property is accessed from South Union Street from the west. Various environmental investigations and remedial efforts have been conducted at the Property from the 1980's until now. Three underground storage tanks (UST) were located in the middle of the production area. The tanks consisted of one 20,000-gallon UST containing styrene and two 500-gallon USTs containing Therminol. The styrene was used for production of polystyrene pellets and the Therminol was used as a heat transfer oil. All three USTs are considered to have contained hazardous substances.

All three USTs are located in the production area where an explosion and fire occurred in 1987 that released chemicals of concern (COCs) to the soil and groundwater. Potential historical releases from the USTs and from the explosion and fire are indistinguishable. The local Emergency Response Unit responded to the 1987 fire and explosion and their assessment indicated that 500 to 1,000 gallons of styrene and 1,000 gallons of Therminol were released during the fire and explosion. All three USTs were closed in-place as part of the remedial efforts due to the explosion and fire.

The styrene UST was last used on October 1, 1998 prior to the UST being cleaned and taken out of service in November 1998. The UST system is located beneath a concrete surface that is curbed to direct potential surface spillage from the overlying reactor equipment into a concrete-lined basin to prevent styrene from releasing to environmental media. Furthermore, the UST system is located adjacent to and under process equipment and support structures that would damage or weaken if the UST system was removed. Deltech Polymers received an Approval for Closure-In-Place from the Ohio Bureau of Underground Storage Tank Regulations (BUSTR) dated July 12, 2012 and Permit dated September 7, 2012. The UST was permanently closed in-place by filling the UST with a mortar mix on December 18, 2012. On January 8, 2013, Deltech Polymers completed a BUSTR Closure Form summarizing the history of the UST, the closure activities, and a statement that residual concentrations detected in soil and groundwater resulting from the fire and explosion are being addressed as required by the Ohio VAP. The BUSTR Closure Form was received by BUSTR on January 13, 2013. On March 28, 2013, BUSTR provided a response concluding that a release from the UST has occurred and that corrective action is necessary. The response letter also stated that BUSTR regulates USTs containing hazardous substances during closure but not for corrective action and the Closure Assessment must be submitted to the USEPA for corrective action oversight. The BUSTR Closure form summarizing the closure activities including BUSTR and USEPA correspondence are included in Attachment A.

At the same time (1998) as the closure in-place of the styrene UST, two 500-gallon Therminol USTs were closed following the same procedures as the styrene tank. Therminol is a heat transfer oil historically known to contain polychlorinated biphenyls (PCBs). The Therminol USTs were located in the same general area as the styrene UST prompting a closure in-place. Prior to the closure in 1998, BUSTR provided Deltech Polymers a letter in October 1994 stating that BUSTR does not regulate USTs containing PCBs. A copy of this letter in included in Attachment B. Also included in Attachment B are multiple correspondences from 1994 to 2004 between Deltech Polymers and BUSTR summarizing the closure activities, sampling deviation requests, and regulatory uncertainties.



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Due to the regulatory uncertainty, a closure assessment report for the Therminol USTs has not been conducted.

CURRENT CONDITIONS

The former 20,000-gallon styrene UST and the two 500-gallon Therminol tanks are located in Ohio VAP Identified Area-5 (IA-5 – Process Area) and IA-1 (Site Wide Groundwater). The ongoing Ohio VAP Phase II investigation will include the collection of soil, groundwater and soil gas samples in and/or adjoining to IA-5 and IA-1. The COCs in IA-5 and IA-1 include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs. Figures 2 and 3 show the Property Features and the Ohio VAP IA's for the Property. Upon completion of the Ohio VAP Phase II, soil, groundwater and vapor associated with IA-5 (and the three closed USTs) will be remedied as necessary to achieve Ohio VAP applicable standards for all complete exposure pathways. The effectiveness of the remedy will be confirmed and documented in a Ohio VAP NFAL that will be submitted to Ohio EPA with a request for a Covenant Not-to-Sue. The Volunteer intends to complete the Ohio VAP process in accordance with Ohio EPA program rules and in a timely manner.

CONCLUSION

On behalf of Deltech, TRC has prepared this CADR associated with Deltech's 1250 South Union Street, Troy, Ohio 45373 facility to request a deferment in response to historical suspected releases of a hazardous substances from UST's at the Property from the USEPA to the Ohio VAP. If you are in agreement that corrective action for the USTs can be deferred to the Ohio VAP, we respectfully request USEPA's issuance of deferment or its equivalent. Thank you for your assistance.

Please feel free to contact us if you have any questions or comments.

Sincerely,

TRC Environmental Corporation

Donald A. Fay, Ohio VAP C.P. #254

Vice President

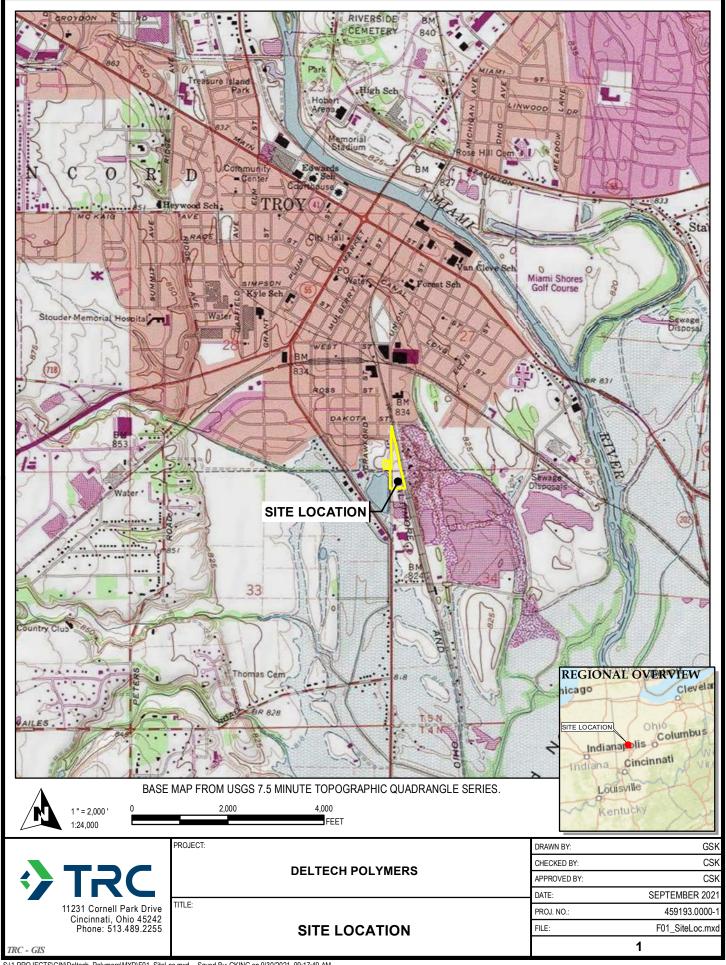
Attachments

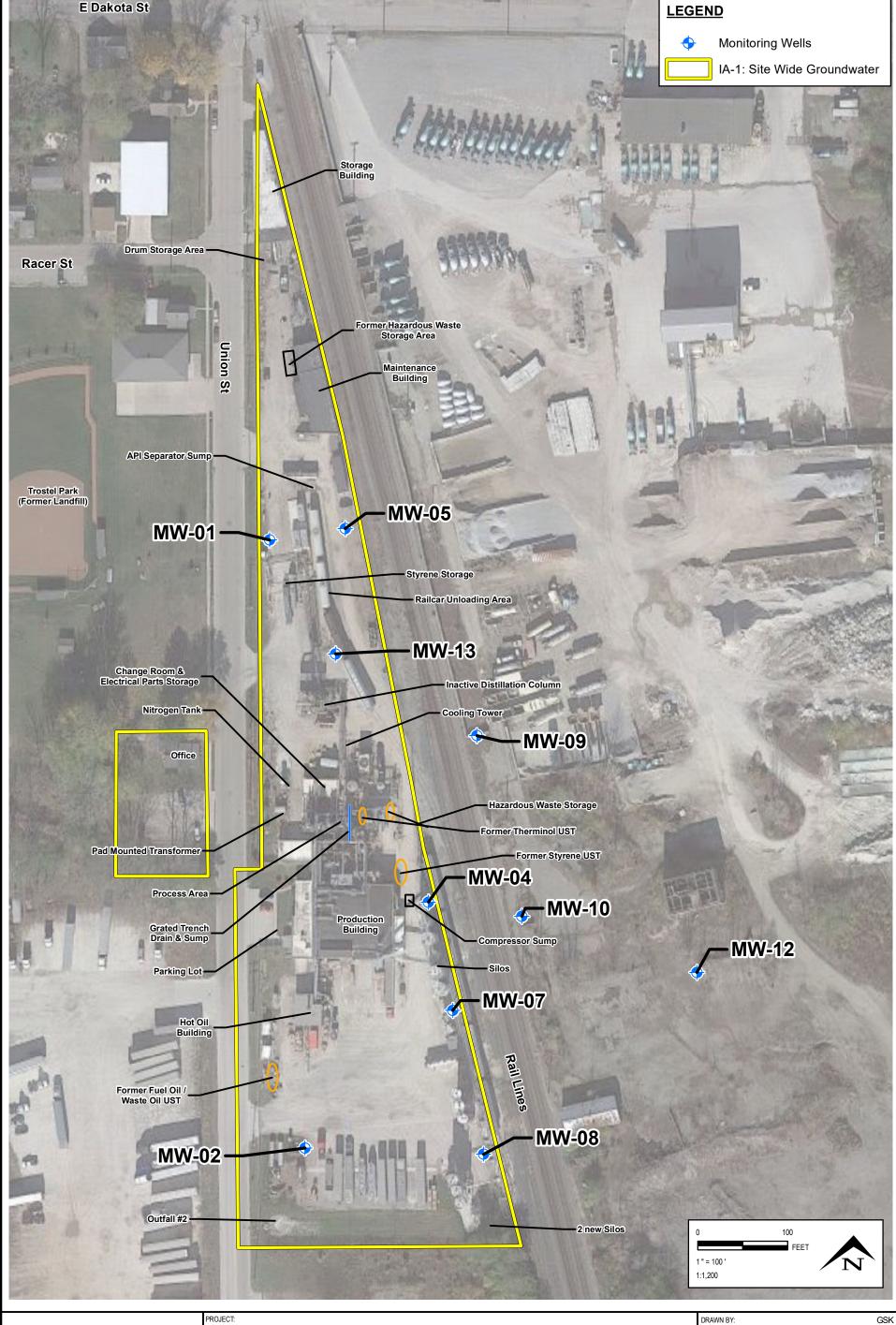
Curtis S. Kugler Project Manager

int 5. Kyli











TITLE:

DELTECH POLYMERS



 DRAWN BY:
 GSK

 CHECKED BY:
 CSK

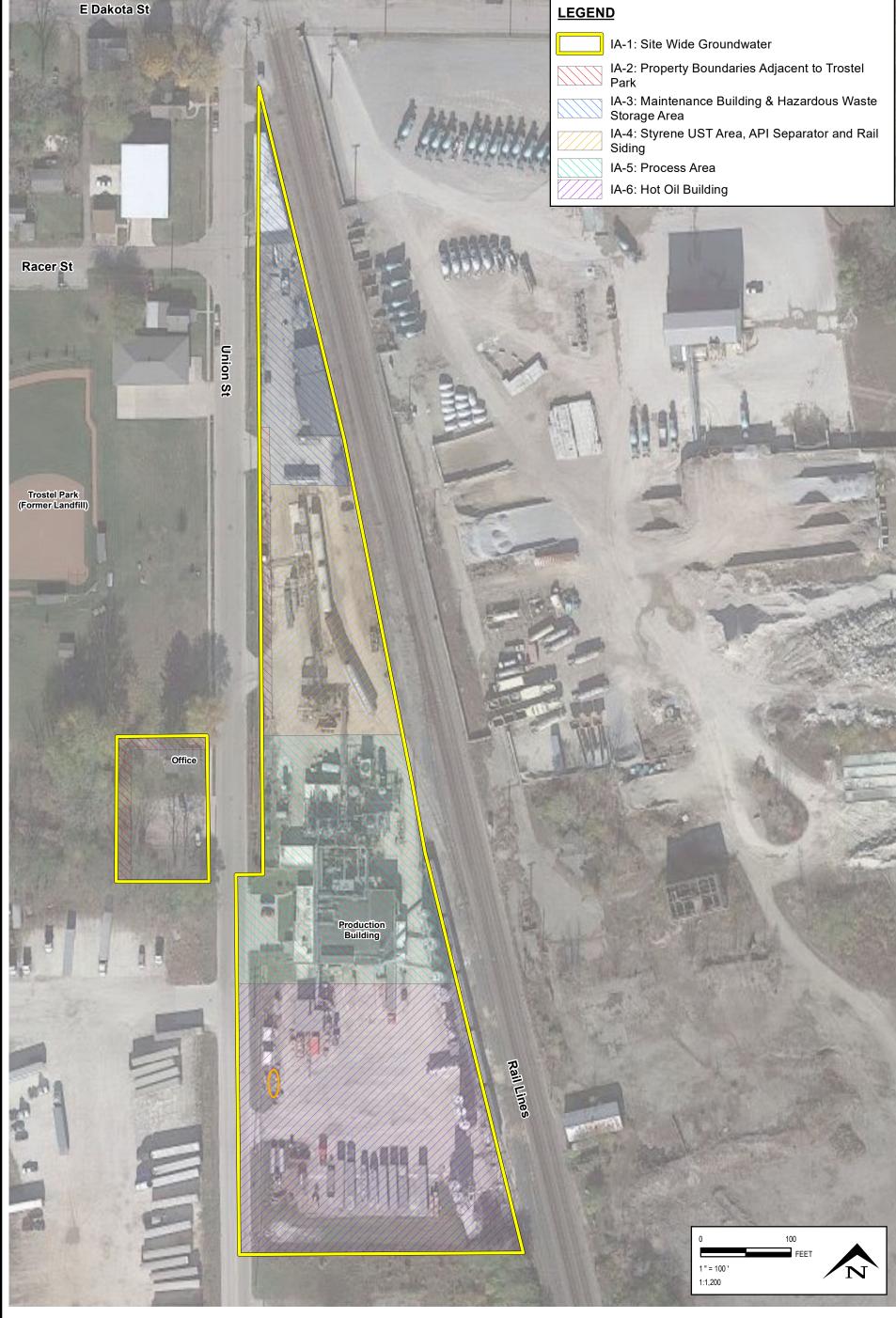
 APPROVED BY:
 CSK

 DATE:
 NOVEMBER 2021

 PROJ. NO.:
 459193.0000-1

 FILE:
 F02_Features.mxd

SITE FEATURES
DELTECH POLYMERS
1250 SOUTH UNION STREET, TROY, OHIO 45373





PROJECT:

TITLE:

DELTECH POLYMERS



IDENTIFIED AREAS
DELTECH POLYMERS
1250 SOUTH UNION STREET, TROY, OHIO 45373

DRAWN BY:	GSK				
CHECKED BY:	CSK				
APPROVED BY:	CSK				
DATE:	OCTOBER 2021				
PROJ. NO.:	459193.0000-1				
FILE:	F03_IAs.mxd				
FIGURE 3					









RECEIVED

JAN 11 2013

(Due within ninety days from the date of sample collection) SFM/BUSTR

OWNER/OPERATOR AND FACILITY DATA

UST OWNER INFORMATION:	FACILITY INFORMATION:
COMPANY: Deltech Polymers Corp.	COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street	ADDRESS: 1250 South Union Street
CITY, STATE: Troy, Ohio	CITY: Troy
ZIP: 45373	COUNTY: Miami
CONTACT PERSON: Tom Lowry	LAT/LONG: 40.02523 / -84.20087
PHONE: (937) 339-3150	FACILITY ID#: 55000232
PERMIT #: P00003	FIRE DEPARTMENT: City of Troy, Ohio
UST OPERATOR INFORMATION:	PROPERTY OWNER INFORMATION:
COMPANY: Deltech Polymers Corp.	COMPANY: Deltech Polymers Corp.
ADDRESS: 1250 South Union Street	ADDRESS: 1250 South Union Street
CITY, STATE: Troy, Ohio	CITY, STATE: Troy, Ohio
ZIP: 45373	ZIP: 45373
CONTACT PERSON: Tom Lowry	CONTACT PERSON: Tom Lowry
PHONE: (937) 339-3150	PHONE: (937) 339-3150
	Deltech Polymers Corp L.SITE EVALUATION
SHILLHINTURY AND VINUAL	ESTRUEWALUATION:
This BUSTR Closure Form concerns a 20,000 gallon steel UST manufacturing process, last used on October 1, 1998. The UST 1998. The UST has remained in this same state since. A letter presenting additional UST history. The UST is located along the surface into a concrete lined retention to direct spillage on the surface into a concrete lined retention bunder process equipment and support structures that would be concluded process equipment and support structures that would be concluded process equipment and support structures that would be concluded process of the surface into a concrete lined retention bunder process equipment and support structures that would be concluded process of the surface into a concrete lined retention bunder process equipment and support structures that would be concluded process. The strength ODOT Mortan mix on December 18, 2012 by (Trip tickets of materials delivered are included in Appendix Guerrican activities is included in Appendix C. The Site is in the Ohio Volembrosion that occurred at the Site in 1987. This explosion results the elevated concentrations detected in the soil and ground are being addressed as required in the VAP.	was cleaned and taken out of service in November dated January 2, 2004 is included in Appendix G he eastern portion of the property owned and operated is located beneath a concrete surface that is curbed basin. The UST system is located adjacent to and damaged or weakened if the UST system is removed. Place letter dated July 12, 2012 and Permit dated remanently closed the UST in-place by filling the UST of direct placement of 100 cubic yards into the UST (a). The Field Inspection Report of In-Place Closure coluntary Action Program (VAP) regarding an alted in impacts to the Site soil and groundwater. dwater presented within this BUSTR Closure Form
NO UST EXCAVATION WAS CONDUCT	TED – UST CLOSURE IN-PLACE.
GLOSURE CONC	LUSIONS .
Select one of the following: A TIER I SOURCE INVESTIGATION IS REQUIRED NO FURTHER ACTION REQUIESTED	
NO FURTHER ACTION REQUESTED	

UNDERGROUND STORAGE TANK (UST) SYSTEM DATA

UST#	AGE	CAPACITY	PRODUCT	CONST. MATERIAL	UST STATUS	DATE LAST USED	PIPE STATUS	DISP. STATUS	DATE REMOVED
T00003	±25yrs	20,000	STYRENE	STEEL	OOS>90	10/01/1998	NONE	NONE	CLOSURE IN-PLACE 12/18/2012
							•		
	-								

STATUS= OOS<90 - Out of Service < 90 days OOS>90 - Out of Service > 90 days RE - Replace R - Removed CIU - Currently In Use NA - Not Applicable CIS - Change in Service CIP - Closed in Place

SAMPLE DATA

SAMPLE COLLECTION PR	OCEDURES:
	Soil samples split in the field for laboratory analyses were placed
directly into laboratory supplied	containers (glass jars with Teflon lids). Groundwater samples placed
into laboratory supplied 40-ml v	vials, preserved with HCl and placed into cooler with ice.
SAMPLING EQUIPMENT:	Soil: GeoProbe 54DT Groundwater: Disposable polyethylene bailers
	il: Direct push methodology with 4' sample liners to refusal.
Groundwater samples collected	using disposable polyethylene bailers.
FIELD SCREENING:	
INSTRUMENT USED:	RAE MINIRAE 2000 PID WITH 10.6 EV LAMP
METHODOLOGY USED:	Soil samples split in field into laboratory supplied containers and zip-
	iners placed on ice and baggies allowed to equilibrate to ambient
conditions. Probe of PID insert	ed into baggies and concentration of sample interval recorded.
-	
CALIBRATION PROCEDUR	
Instrument was received calibra	ted by supplier (Argus-Hazco, Dayton, OH).
·······	

			and a few fronts and the constitution of the second of the few few few few few few few few few fe
	GROUNDWAT	ER DATA	
MARK THE CORRECT CHOICE:			
MARK THE CORRECT CHOICE.			
SENSITIVE AREA: YES	Ø NO □		
DEPTH TO GROUND WATER:			TUAL DEPTH: 19.97
IF UNKNOWN DEPTH TO GROUD IF A DEPTH TO GROUND WATER			MUST BE PROVIDED.
WAS WATER PRESENT IN EXCA	AVATION?	YES 🔲	NO N/A
WAS A WATER SAMPLE TAKE?		YES 🛚	NO GW Wells
WATER SAMPLE COLLECTED A	AFTER EXCAVATION E	VACUATED? YES	NO N/A
IF NO, EXPLAIN: UST Closur	e IN-PLACE – NO EXCA	VATION CONDUCTED	
	soil da	TA	
CIRCLE CORRECT CHOICE:			
SOIL CLASSIFICATION:	SOIL CLASS 1	SOIL CLASS 2	SOIL CLASS 3
SOIL SYMBOL: GW, GP,	GM, GC, SW, SP, SM,	SC, ML, CL, OL, MH	СН, ОН, РТ
MARK THE CORRECT CHOICE:	SOIL CLASS I 🛛	SOIL CLASS 2 🗌	SOIL CLASS 3 🗌
NOTE: GEOTECHNICAL LAB AN	NALYSIS MUST BE PRO	VIDED IF SOIL CLASS 2 C	OR 3 IS USED
	* FIELD SCREEN	ING DATA	

DATE SAMPLE COLLECTED	SAMPLE ID	LOCATION	DEPTH	FIELD SCREENING READING	SUBMITTED TO LAB?
09/19/2012	1A	Boring B1	0-4	593	\boxtimes
09/19/2012	1B	Boring B1	4-8	60.6	
09/19/2012	1C	Boring B1	8-12	133	
09/19/2012	1D	Boring B1	12-15	46.8	
09/19/2012	1E	Boring B1	15-16	110	Ø
09/19/2012	2A	Boring B2	0-4	49.5	
09/19/2012	2B	Boring B2	4-8	44.5	
09/19/2012	2C	Boring B2	8-12	435	
09/19/2012	2D	Boring B2	12-16	71.5	
09/20/2012	3A	Boring B3	0-4	68.8	
09/20/2012	3B	Boring B3	4-8	23.2	
09/20/2012	3C	Boring B3	8-12	457	
09/20/2012	3D	Boring B3	12-16	2264	
09/20/2012	3E	Boring B3	16-20	>9999	\boxtimes
09/20/2012	4A	Boring B4	0-4	364	☒
09/20/2012	4B	Boring B4	4-8	214	
09/20/2012	4C	Boring B4	8-12	103	
09/20/2012	4D	Boring B4	12-16	67.7	Ø

				· · · · · · · · · · · · · · · · · · ·			
							
		-					
NAME AND AFFILIATION OF PERSON COLLECTING SAMPLES: T. Greetis, KEI DIMENSIONS OF EXCAVATION: No Excavation Conducted – CLOSURE IN-PLACE							
DIMENSIONS OF EXCRANT	J14	SACAVACION	Conducted	CLOSORD	III-I BACE		
	Ŀ	ABORA	FORY D	ATAV)			
LABORATORY NAME:	S&S ONSI	ΓΕ ANALY	TICAL LL	<u>C</u>			
ADDRESS: 7277 TOWNS	SHIP ROAL	95, FIND	LAY, OHIC)			
PHONE #: (419) 722-459	 97						
LABORATORY ANALYST NA		OBERT SC	HOCK				
CHEMICAL OF CONCERN / TI				260 Water	VOCs / 826		
DATE SAMPLES RECEIVED B					11/01/2012		
	-						
DATE SAMPLES ANALYZED	BY LAB:	Soils: 09	72572012	Water:	11/03/2012		
THEMP	EVCAV	ATTONIA	NATAT	CAL RE	STILL THE		
USI	LACAY	ATTONYA	MAXE/FIR		JULIO :		
	WATER	WATER	ACTION	SOIL	SOIL	SOIL	ACTION
SAMPLE ID:	MW4	MW6	LEVEL	1A	1E	2C	LEVEL
CHEMICAL OF CONCERN:							
BENZENE	<0.00154	<0.00154	0.005	<0.00086	<0.00086	<0.00086	0.149
TOLUENE	<0.00153	<0.00153	1	4.35	0.81	28.9	49.1
ETHYLBENZENE	<0.00143	0.00874	0.7	77.3E	9.38	291 E	45,5
TOTAL XYLENES	<0.00467	<0.00467	10	3.69	0.59 J	13.7	15.7
MTBE	<0.00246	<0.00246	0.04	<0.00107	< 0.00107	< 0.00107	0.470
BENZO (a) ANTHRACENE	NT	NT	0.00026	NT	NT	NT	11.0
BENZO (a) PYRENE	NT	NT	0.0002	NΤ	NT	NT	1.1
BENZO (b) FLUORANTHENE	NT	NT	0.00017	NT	NT	NT	11.0
BENZO (k) FLUORANTHENE	NT	NT	0.0017	NT	NΤ	NT	110.0
CHRYSENE	NT	NT	0.047	NT	NT	NT	1,100.0
DIBENZ (a,h) ANTHRACENE	NT	NT	0.0002	NT	NT	NT	1.1
INDENO (1,2,3-cd) PYRENE	NT	NT	0.00022	NT	NT	NT	11.0
NAPHTHALENE	<0.00286	<0.00286	0.14	0.32 J	0.16 J	0.12 J	39.8
TPH (C6-C12)	NT	NT	-	NT	NT	NT	1,000.0
TPH (C10-C20)	NT	NT	-	NT	NT	NT	2,000.0
ТРН (С20-С34)	NT	NT		NT	NT	NT	5,000.0
OTHER: Styrene	<0.00180	0.00590	0.100 [a]	55.4E	11.1	378 E	1,700 [a]
Isopropyibenzene	<0.00154	<0.00154	1.400 [a]	2.72	0.38	9.56	260 [a]
n-propylbenzene	<0.00150	<0.00150	NE	1.84	0.27 J	4.58	NE
1,3,5-trimethylbenzene	<0.00191	<0.00191	0.140 [a]	<0.00144	< 0.00144	<0.00144	95 [a]
1,2,4-trimethylbenzene	<0.00181	<0.00181	0.140 [a]	<0.00128	<0.00128	0.14 J	120 [a]
n-butylbenzene	<0.00119	< 0.00119	NE	< 0.00121	<0.00121	0.14 J	NE
Sec-butylbenzene	<0.00175	<0.00175	NE	-0.00721	< 0.00121	<0.00135	110

ust excavation analytical results (continued)

	WATER	WATER	ACTION	SOIL	SOIL	SOIL	ACTION	
SAMPLE ID:	MW13	B4	LEVEL	3E	4A	4D	LEVEL	
CHEMICAL OF CONCERN:								
BENZENE	<0.00154	<0.00154	0.005	<0.00086	<0.00086	<0.00086	0.149	
TOLUENE	<0.00153	<0.00153	1	124 E	15.1	2.69	49.1 √	
ETHYLBENZENE	<0.00143	0.453E	0.7	223 E	119 E	20.7	45.5 ∜,	
TOTAL XYLENES	<0.00467	0.01685	10	102.2	11.98	2.00	15.7 ✓	
MTBE	<0.00246	<0.00246	0.04	<0.00107	<0.00107	<0.00107	0.470	
BENZO (a) ANTHRACENE	NT	NT	0.00026	NT	NT	NT _	11.0	
BENZO (a) PYRENE	NT	NT	0.0002	NT	NT	NT	1.1	
BENZO (b) FLUORANTHENE	NT	NT	0.00017	NT	NT	NT	11.0	
BENZO (k) FLUORANTHENE	NT	NT	0.0017	NT	NT	NT	110.0	
CHRYSENE	NT	NT	0.047	NT	NT	NT	1,100.0	
DIBENZ (a,h) ANTHRACENE	NT	NT	0.0002	NT	NT	NT	1.1	
INDENO (1,2,3-cd) PYRENE	NT	NT	0.00022	NT	NT	NT	11.0	
NAPHTHALENE	<0.00286	<0.00286	0.14	0.44 J	< 0.00174	<0.00174	39.8	
TPH (C6-C12)	NT	NT	-	NT	NT	NT	1,000.0	
TPH (C10-C20)	NT	NT	•	NT	NT	NT	2,000.0	
TPH (C20-C34)	NT	NT	-	NT	NT	NT	5,000.0	
OTHER: Styrene	<0.00180	0.230	0.100 [a]	351 E	213 E	53.8 E	1,700 [a]	
Isopropylbenzene	<0.00154	0.00157J	1.400 [a]	106 E	10.5	1.54	260 [a]	
n-propylbenzene	<0.00150	<0.00150	NE	86.6 E	8.56	1.21	NE	
1,3,5-trimethylbenzene	<0.00191	<0.00191	0.140 [a]	1.08	<0.00144	<0.00144	95 [a]	
1,2,4-trimethylbenzene	<0.00181	<0.00181	0.140 [a]	0.92	<0.00128	<0.00128	120 [a]	
n-butylbenzene	<0.00119	<0.00119	NE	0.37	<0.00121	<0.00121	NE	
Sec-butylbenzene	<0.00175	<0.00175	NE	< 0.00135	< 0.00135	<0.00135	NE	

E = Concentration in sample exceeds the calibration range of the instrument.

Concentrations are reported in mg/kg for soil and mg/L for water

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER 1 SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).

NOTE:

DATA PRESENTED IN ABOVE TABLE REPRESENTS SOIL DATA FROM SOIL BORINGS COMPLETED SURROUNDING THE UST AND GROUNDWATER SAMPLING FROM NEARBY MONITORING WELLS. LABORATORY ANALYTICAL REPORTS AND ASSOCIATED CHAIN-OF-CUSTODY REPORTS ARE INCLUDED IN APPENDIX D AND E RESPECTIVELY.

J=Compound results were between the Method Detection Limit (MDL) and Reporting Limit (RL).

[[]a] = OEPA VAP Action Level in accordance with OAC 3745-300-08 effective date 03/01/2009

NE = Not established

PIPINGRUN, REMOTE FILL PIPE, DISPENSER ISLAND ANALYTICAL RESULTS

	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	ACTION
SAMPLE ID:				l		<u> </u>		LEVEL
CHEMICAL OF CONCERN:								
BENZENE								0.149
TOLUENE			Г	C				49.1
ETHYLBENZENE	[]	NO'	T APPI	LICAB	LE		ŀ	45.5
TOTAL XYLENES	Π	NO U	ST EX	CAVAI	TON			15.7
MTBE		CLO	SURE	IN-PLA	ACE			0.470
BENZO (a) ANTHRACENE	T	I	T	I		<u></u>		11.0
BENZO (a) PYRENE								1.1
BENZO (b) FLUORANTHENE								11.0
BENZO (k) FLUORANTHENE								110.0
CHRYSENE								1,100.0
DIBENZ (a,h) ANTHRACENE							<u> </u>	1.1
INDENO (1,2,3-cd) PYRENE								11.0
NAPHTHALENE								39.8
TPH (C6-C12)								1,000.0
TPH (C10-C20)								2,000.0
TPH (C20-C34)		I						5,000.0
OTHER:					1			

IF ACTION LEVELS ARE EXCEEDED, CONDUCT A TIER I SOURCE INVESTIGATION PURSUANT TO OAC 1301:7-9-13(H).

STOCKPILE ANALYTICAL RESULTS:

STOCKPILE ID: CUBIC YARDS: STOCKPILE DISPOSITION* CHEMICAL OF CONCERN:		ACTION LEVEL	RE-USE LEVEL
BENZENE	NOT ADDITION TO	0.149	0.015
TOLUENE	NOT APPLICABLE	49.1	4.91
ETHYLBENZENE	NO UST EXCAVATION CLOSURE IN-PLACE	45.5	4.55
TOTAL XYLENES	CLOSURE IN-PLACE	 15.7	15.7
MTBE		 0.470	0.047
BENZO (a) ANTHRACENE		 11.0	2.2
BENZO (a) PYRENE		 1.1	1.1
BENZO (b) FLUORANTHENE		 11.0	5.53
BENZO (k) FLUORANTHENE		 110.0	1.97
CHRYSENE		1,100.0	1.27
DIBENZ (a,h) ANTHRACENE		 1.1	0.94
INDENO (1,2,3-cd) PYRENE		11.0	0.15
NAPHTHALENE		 39.8	3.98
TPH (C6-C12)		1,000.0	1,000.0
TPH (C10-C20)		2,000.0	2,000.0
TPH (C20-C34)		5,000.0	5,000.0
OTHER:			

^{*}R=RETURNED TO CAVITY L=LANDFILL S=STOCKPILED T=TREATMENT BY O/O (requires PCS Treatment Plan)

WASTEDISPOSAL DATA **UST SYSTEM DISPOSITION:** NOT APPLICABLE NAME: NO UST EXCAVATION ADDRESS: **CLOSURE IN-PLACE** CITY/STATE/ZIP: WASTEWATER DISPOSITION: PRODUCT DISPOSITION: NAME: NAME: ADDRESS: ADDRESS: __ CITY: CITY: STATE/ZIP: STATE/ZIP: VOLUME/GALLONS: VOLUME/GALLONS:

NO UST REMOVED - CLOSURE IN-PLACE

CLOSURE FORM

PETROLEUM CONTAMINATED SOIL (PCS) FORM

This form should be completed and submitted within 120 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to storage or treatment, whichever comes first.

A separate PCS form shall be completed for each stockpile generated.

	OWNER/OPERATOR INFORMATION	
OWNER/OPERATOR NAME	CONTACT PERSON	AREA CODE-PHONE
CITY	STATE	ZIP CODE
UST FACILITY INFORMATION FACILITY ID#	STORAGE FACILITY INFORMATION FACILITY ID#	FACILITY WHERE SOILS WILL BE DISPOSED OF OR TREATED
FACILITYNAME	FACILITY NAME	FACILITYNAME
ADDRESS	ADDRESS	ADDRESS
CITY STATE ZIP CODE	CITY STATE ZIP CODE	CITY STATE ZIP CODE
ТЕГЕРНОМЕ СОВИТУ	TELEPHONE COUNTY DATE TRANSFERRED	STOCKPILE DESIGNATION (e.g., pite #1, pite from waste oil cavity, etc.)

DATE STOCKPILE WAS GENERATED

Cubic Yards

Soil analysis falls below Rule 16 re-use levels (RUL) Off-site treatment (requires a treatment plan) On-site treatment (requires a treatment plan)

NO UST EXCAVATION CLOSURE IN-PLACE

NOT APPLICABLE

Returned to excavation (below site specific action levels) (RTE BAL) Returned to excavation (above site specific action levels) (RTE AAL)

Disposal at a landfill (LFL)

Disposal at a treatment facility (COM)

Stockpile remains on-site (provide written explanation) (SOS)

Revised 3/4/2005

MISCELLANEOUS DATA

ADDITIONAL INFORMATION WHICH IS REQUIRED BY OAC 1301:7-9-12 OR ADDITIONAL INFORMATION WHICH CLARIFIES CLOSURE ACTIVITIES SHALL BE SUBMITTED AS APPENDICIES TO THIS REPORT.

THE FOLLOWING ITEMS MUST BE ATTACHED:

Appendix A - Figures (includes Topographic & Site Maps)

Appendix B - Permit

Appendix C - Field inspection report

Appendix D - Laboratory analytical report

CERTIFIED FIRE SAFETY INSPECTOR:

OWNER / OPERATOR SIGNATURE:

PRINT NAME: Thomas M

Appendix E - Chain of custody form

Appendix F - Disposal documentation

Appendix G - Miscellaneous Data

SITE MAP: Site maps, drawn to scale, must be included in Appendix A. Maps should include property boundaries, street locations, UST cavity dimensions, above ground structures, UST systems, adjacent properties, sample locations, any utilities, and the location(s) of previously closed UST systems.

CERTIFIED INSTALLER:

NAME: I	Joug Parks	IVAIVIE.	wayne Roculei				
COMPANY/FD:	UST IS LLC	COMPANY	Alpha Ram				
ADDRESS:	Brookville, Ohio	ADDRESS	Cincinnati, Ohio				
PHONE #:	(937) 657-5271	PHONE #	(513) 661-4031				
INSPECTOR ID #:	64-57-0007	ID #:	63-31-0018				
CLOSURE FORM	M PREPARED BY:						
NAME: T. Kilba	ane						
COMPANY: Kilb	ane Environmental Inc.		•				
ADDRESS: 1155	4 Lebanon Rd., Cincinnati, OH 45241						
PHONE #: (513)	874-6650						
EMAIL: info@	kilbaneenv.com						
***	•						
NO HOT DEMONE	D CLOSIDE IN DI ACE						
NO UST REMOVED - CLOSURE IN-PLACE							
Cleaves Form must be signed by the LIST appearance The appearance is recognished for encuring all data is accounted							
Closure Form <u>must</u> be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the closure form is legible and complete.							
and the closure form	is legiole and complete.	\wedge					
	•	10 /)					

CHEMICALS OF CONCERN AND RECOMMENDED LABORATORY METHODS

Analytical Group 1 - light distillate products - including unleaded gasoline, leaded gasoline and aviation gasoline;

Analytical Group 2 - middle distillate products - including diesel, light fuel oils, stoddard solvents, mineral spirits, kerosene, and jet fuels;

Analytical Group 3 - heavy petroleum distillate products - including, but not limited to, lubricating and hydraulic oils;

Analytical Group 4 - used oil

Analytical Group 5 - unknown petroleum products or petroleum products other than those listed in analytical groups 1, 2, 3 and 4. Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

	Analytical Group Number	1	2	3	4	5	Analytical Methods	
		Light Distillates	Middle Distillates	Heavy Distillates	Used Oil	Unknowns & Others		
	Chemical							
	Benzene	х	x		x			
	Toluene	х	x		х		8021/8260	
Aromatics	Ethylbenzene	Х	x		х		8270/8310	
	o, m and p-Xylenes	х	x		х			
Additives	Methyl tertiary-butyl ether (MTBE)	х			х			
	Benzo(a)anthracene		х	x	х			
	Benzo(a)pyrene		х	х	х			
	Benzo(b)fluoranthene		х	X	x			
Polynucicar	Benzo(k)fluoranthene		х	х	х			
Aromatics	Chrysene		х	X	x			
	Dibenz(a,h)anthracene		х	х	x			
	Indeno(1,2,3-c,d)pyrene		х	x	х			
	Naphthalene		х	х	х			
Chlorinated Hydrocarbons	Volatile Organic Hydrocarbons				х		8260	
	ГРН (C6 – C12)	x			х			
Total Petroleum	TPH (C10 - C20)		х		х		8015	
Hydrocarbons * i	TPH (C20 – C34)			х	x			
	Varies based on UST contents			X	x	*2		

^{*1} TPH analysis is not required for ground water samples.

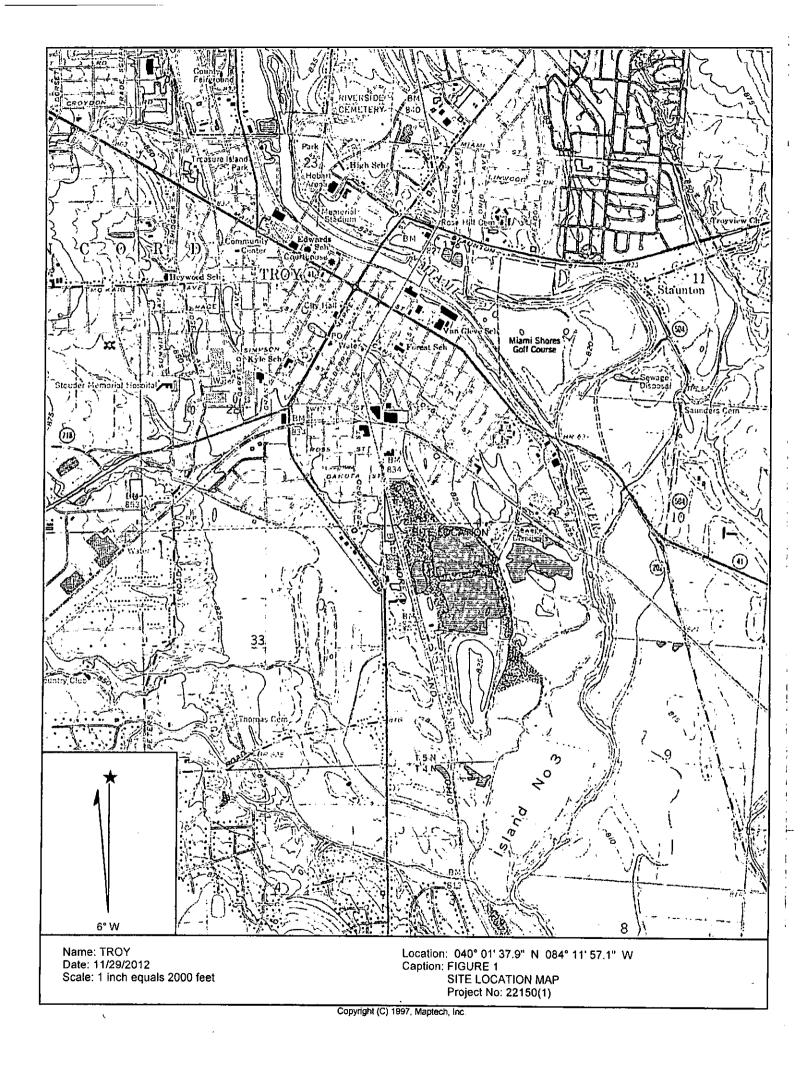
^{*2} Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

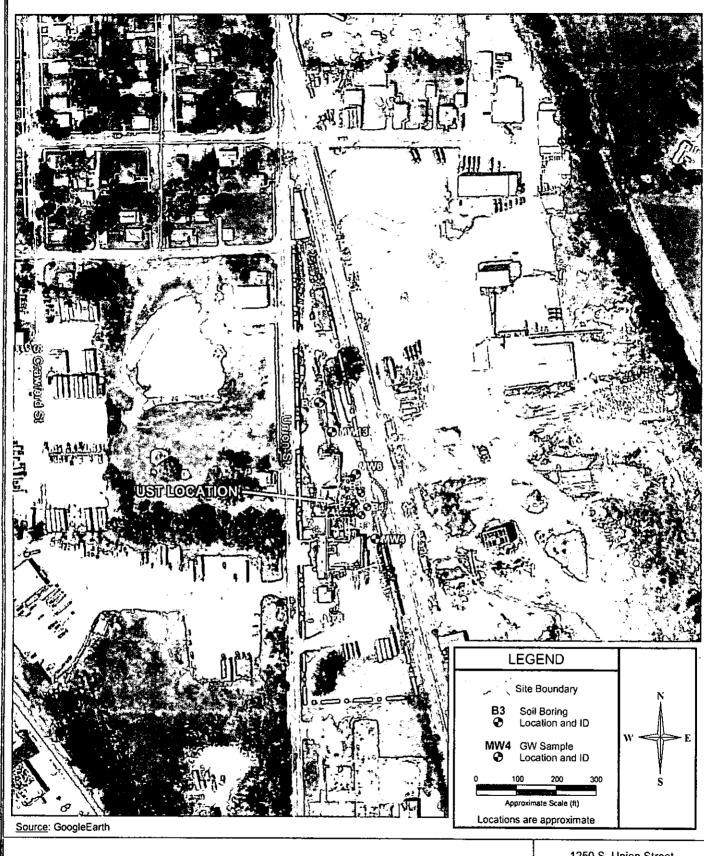
BUSTR CLOSURE ACTION LEVELS						
	Soil	Action Lev				
Chemicals of Concern	Class 1	Class 2	Class 3	Water	PCS	
	Soils	Soils	Soils		Re-use	
Benzene	0.149	0.252	0.937	0.005	0.015	
Toluene	49.1	70.8	86.0	1	4.91	
Ethylbenzene	45.5	83.0	282.0	0.7	4.55	
Total Xylenes	15.7	18.0	21.7	10	15.7	
MTBE	0.470	0.788	3.440	0.04	0.047	
Benzo(a)anthracene	11.0	11.0	11.0	0.00026	2.2	
Benzo(a)pyrene	1.1	1.1	1.1	0.0002	1.1	
Benzo(b)flouranthene	11.0	11.0	11.0	0.00017	5.53	
Benzo(k)flouranthene	110.0	110.0	110.0	0.0017	1.97	
Chrysene	1,100.0	1,100.0	1,100.0	0.047	1.27	
Dibenz(a,h)anthracene	1,1	1,1	1.1	0.0002	0.94	
Indeno(1,2,3-cd) pyrene	11.0	11.0	11.0	0.00022	0.15	
Naphthalene	39.8	54.0	54.0	0.14	3.98	
TPH C ₆ -C ₁₂	1,000.0	5,000.0	8,000.0	-	1,000.0	
TPH C ₁₀ -C ₂₀	2,000.0	10,000.0	20,000.0	-	2,000.0	
TPH C ₂₀ -C ₃₄	5,000.0	20,000.0	40,000.0	-	5,000.0	

Soil contaminant levels in mg/kg

Water contaminant levels in mg/L

APPENDIX A FIGURES

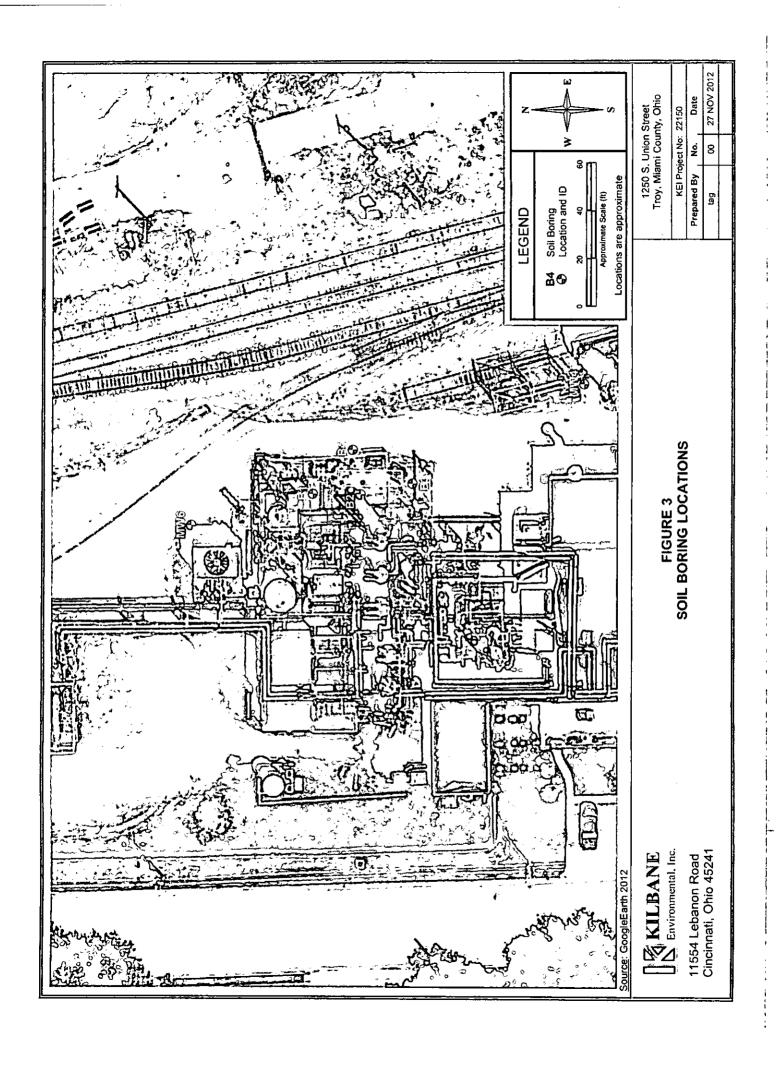




KILBANE Environmental, Inc.

11554 Lebanon Road Cincinnati, Ohio 45241 FIGURE 2 SITE MAP 1250 S. Union Street Troy, Miami County, Ohio

	KEI Project No.: 22150(4)						
No.	Date						
00	27 NOV 2011						



APPENDIX B
PERMIT



Department of Commerce

Division of State Fire Marshal John R. Kasich, Governor David Goodman, Director

JULY 12, 2012

TOM LOWRY DELTECH POLYMERS CORP. 1250 S UNION ST TROY, Onio 45373

RE:

Ciosure-In-Place of T00003, a 20,000-Gallon Hazardous Substance Underground Storage Tank (UST) Located at Deltech Polymers Corp., 1250 South Union Street, Troy, Ohio, Facility # 55000232.

Dear Mr. Lowry:

Based on the Bureau of Underground Storage Tank Regulation's evaluation of the UST at the above referenced location, the 20,000-Gallon UST is hereby approved for closure-in-place with the following conditions:

- 1. The closure-in-place is to be performed in accordance with API 1604;
- 2. Remove all flammable or combustible liquid from the UST and all connecting lines;
- 3. Remove all sludge from the UST and thoroughly rinse and flush the UST and piping;
- 4. Disconnect the suction, inlet gauge, and vent lines and cap the remaining underground piping;
- 5. Fill the UST completely with an inert, solid material that has a density greater than the density of water:
- 6. Keep a record of UST size, location, date of closure-in-place, and method used for placing the USTs in a safe condition; and
- Conduct a closure assessment as required by Ohio Administrative Code 1301:7-9-12, if applicable.

This letter is not a permit to perform work. Prior to performing the closure-in-place, you must obtain a permit pursuant to paragraph (C) of rule 1301:7-9-10 of the Administrative Code. An application for a permit may be obtained by visiting the BUSTR web site at

http://www.com.ohio.gov/fire/ReleasePreventionInformation.aspx or by contacting the Testing and Registration Bureau at (877) 264-0023. In addition, a certified UST Installer must perform the closure-in-place, and an UST Inspector must be present during the closure-in-place.

If you have any questions, feel free to contact Steven Krichbaum at (614) 752-7938.

Sincerely,

William L. Hills Chief - BUSTR

Division of State Fire Marshal Ohio Department of Commerce

WH:anm

c: Fil

Mike C. Miller, BUSTR Inspector
Drue Roberts, Corrective Actions Coordinator
Martha Fullemann, Testing & Registration

Burean of Underground Storage Tank Regulations 3895 Bast Main Street Reynoldsburg, OH 43068 U.S.A.



PERMIT FOR UNDERGROUND STORAGE TANKS

Owner No. W000837 Facility No. 55000232

Permit Number: P00003 Issue Date: SEPTEMBER 07,2012

I. OWNERSHIP OF TANKS			II. LOCATION OF TANKS			
DELTECH POLYMERS CORP. 1250 S UNION ST TROY, OHIO 45373 CONTACT PERSON: TOM LOWRY PHONE: OWNER PHONE			DELTECH POLYMERS CORP. 1250 S UNION ST TROY Ohio 45373 county: MIAMI PHONE: (937)335-5286			
III. CONTRACTOR INFORM	<u> </u>		IV. LOCAL FIRE DI	EPARTMENT INFORMATION	ON	
KILBANE ENVIRONMENTAL INC WAYNE ROETHER 11554 LEBANON RD CINCINNATI, OHIO 45241 PHONE:(513)874-6650			TROY FIRE DEPARTMENT 1528 N MARKET ST TROY, OH 45373			
V. CONDITIONS: OWNER'S COI PERMIT EXPIR AS A CONDITI PERMITCOND	RES SIX (6) MONTHS FR ON OF THIS PERMIT, AN	E AVAILABLE ON JOB SITE. OM DATE OF ISSUE. FEE IS N INSPECTOR MUST BE ON	S NON-REFUNDABLE. THE JOB SITE.			
VI. PERMIT ISSUED FOR:						
		Works to	be performed			
	Entire System	UST	Piping	Containment	Ancillary Equipment	
Installation						
Modification						
Replace						
Major Repair						
Removal						
Close in Place	0	1	0	0	0	
Change in Service						
Out-of-Service						
		BUREAU	USE ONLY			
Certified Installer's Name:						
Certified Inspector's Signature:	 _			No		

APPENDIX C FIELD INSPECTION REPORT



State of Ohio, Department of Commerce Division of State Fire Marshal—Bureau of Testing & Registration P.O. Box 529, Reynoldsburg, Ohio 43068 Phone (614) 752-7126 Fax (614) 995-4206

Removal Inspection Field Report

(For Removal, Closure in Place, Out of Service, and Changes in Service Activity)

Inspection: Preliminary [] Final M Permit	Date 9/7/12	Facility #_ 35 000	232 Penn	nii# <i>P-03</i>
Ownership of Tanks:	Page	Location of Tanks:	1	Cal
DELTECAS POLYMERS	OKP.	DELTECH	fory mors	COX
Ownership of Tanks: DECTECIA POLYMERS 12 50 S. UNION ST.		1350 0, 0	wron 3%	
TROY, OH 45373		TROY, OH	45373	
TOM LOWEY (937)	7 335 5286	Sensitive Area: Yes [No ()	
Tank/System Information	Tank # 3_Cavity#_/	Tank #Cavity#	Tank #Cavity#	Tank #Cavity #
Components Undergoing Work: T=Tank, P=Piping, S=System, C=Containment, A=Ancillary	T P G C A	T P S C A	T P S C A	T P S C A
Inspection Description	Closi tins			
Date Last Used	2010			
Underground Tank Capacity (list gallons)	10000			
Substance Stored	POYMER STY	ene :		
Tank Construction	BM		1 (4 1 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	
Piping Construction	<u> </u>			A salahan Kacamanan da d
Pressure, Suction or Gravity Piping			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
LEL/O2 (indicate %)	0% 21%			
Tunk Cleaned on Site	Yes jor No	Yes or No	Yes or No	Yes or No.
Holes in Tank	Yes or No	Yes or No	Yes or No	Yes or No
Holes in Piping	Yes or No	Yes or No	Yes or No	Yes or No.
Cavity Appearance*				7.
Piping Run Appearance*	·			
Beneath Dispenser Appearance*	Done			
Closure in Place (written approval obtained)	Cos or No	Yes or No	Yes or No	Yes or No
Out of Service (more than 90 days)(system secured)	Yes or 🕅	Yes or No	Yes or No	Yes or No
Change in Service (regulated to non-regulated)	Yes or No	Yes or No	Yes or No	Yes or No
Romarks: CLUSURE IN A	PLACE OF 1	20K BM	UST. TA	يع له
CLEANED & FILLED	WITH SLUKE			
,		1		11.00
•				
*Indicate O = Odor, W = Water, ST = Staining, F	P = Free Product, SH = S	heen		
Certified Installer Number: 63-3/ 60/	/	Certified Inspector Number	<u>: 64-57-6</u>	297
Certified Installer Name (printed): 44 4 Vict	FOCTHER.	Certified Inspector Name (g	printed): 100/2	TARKS
Certified Installer Signature: Way	the !	Certified Inspector Signatus	y Woug fa	rko
Date: 12 /8-13	Z	Date: 12/18/	12 "	Hours on Site:

An Equal Opportunity Employer and Service Provider - TJY/TDD: 1-800-750-0750

COM 5219 Revised 09/10 Distribution: White - Agency Copy Canary - Owner Copy Pink - Inspector Copy

APPENDIX D LABORATORY ANALYTICAL REPORTS

S&S Onsite Analytical, Ltd.

Phone (419) 422-9796 Fax (419) 422-4840 Cell (419) 722-4597 7277 Township Rd. 95 Findlay, Ohio 45840

Email <u>bschock212@aol.com</u>

Case Narrative

Kilbane Environmental 11554 Lebanon Rd. Cincinnati, OH 45241

September 30, 2012

Project # 22150 (Deltech)

All VOA samples collected for analysis by the laboratory for this project were extracted and analyzed within the respective holding times for the analyses performed. Sample results for all soil samples submitted to the laboratory were reported on a "dry weight" basis.

Volatile analysis for the presence of target analytes was performed using USEPA Method 8260b utilizing a Tekmar® Purge and Trap system coupled to a Hewlett Packard® 5890/5971 GC/MS system. Water samples were either analyzed directly or diluted to bring target analytes within the linear range of the instrument. Soil samples were extracted with Purge and Trap grade methanol and an aliquot of the methanol was purged through the system. Volatile results were calculated directly from the 8260 curve.

Results listed between the MDL and the RL should be considered estimated values. In addition, sample results that exceed the calibration range of the instrument should also be considered estimated results. All samples that exceeded the linear range of the calibration curve, following any reasonable dilutions, for the sample results are flagged with an "E"; these levels are estimated and should be considered minimum values for the compounds reported.

All tune and calibration criteria were within method parameters for the compounds of interest.

NOTE:

All Water VOC results are in ug/L or (ppb). All Soll VOC results are in mg/Kg or (ppm).

Data Qualifiers

- B Compound was detected in the blank.
- U Compound was analyzed for but not detected above the MDL.
- J The compound results were between the MDL and the RL.
- E The concentration found in the sample exceeds the calibration range of the instrument. NOTE: Reporting Limits reflect any sample dilutions that may have been performed.

7277 Township Rd. 95 Findlay, Ohio 45840

Email bschock212@aol.com

SAMPLE RESULTS

Sample ID	B-1 (0-4')		
Lab ID	DF453		
Collection Date	9/19/12		
Analysis Date	9/25/12		
Run No.	V0925005		
sample matrix	S		Calc'd
Compound	MDL	RL	result
			mg/Kg
Diclorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	Ų
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disuffide	0.00525	1.575	U
Iodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	Ų
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	υ
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	ប
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	Ų
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	4.35

7277 Township Rd. 95 Findlay, Ohio 45840

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	4-Bromofluorobenzene	91	
	Taluene-d8	85	
surrogate recoveries	1,2-Dichloroethane-d4	122	
1,2,3-Trichlorobenzene	0.00199	0.597	U
Naphthalene	0.00174	0.522	0.32 J
1,2,4-Trichlorobenzene	0.00152	0.456	Ü
Hexachlorobutadiene	0.00257	0.771	Ü
Nitrobenzene	0.02500	7.500	ŭ
1,2-Dibromo-3-chloropropane	0.00220	0.660	Ü
1,2-Dichlorobenzene	0.00109	0.327	Ü
Hexachloroethane	0.00094	0.282	Ü
n-Butylbenzene	0.00121	0.363	Ü
1,4-Dichlorobenzene	0.00109	0.433	U
1,3-Dichlorobenzene	0.00145	0.435	U
p-Isopropyl toluene	0.00115	0.345	U
sec-Butylbenzene	0.00125	0.405	0.16 J
1,2,4-Trimethylbenzene	0.00128	0.384	u
Pentachloroethane	0.00160	0.480	U
t-Bulylbenzene	0.00116	0.468	Ü
4-Chlorotoluene	0.00121	0.357	Ü
t-1,4-Dichloro-2-butene	0.00121	0.432	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
1,2,3-Trichloropropane	0.00199	0.513	ប
2-Chlorotoluene	0.00105	0.315	u
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
n-Propylbenzene	0.00149	0.447	1.84
Bromobenzene	0.00107	0.309	2.72 U
Isopropylbenzene	0.00107	0.321	2.72
Styrene	0.00088	0.498	55.4 E
Bromoform	0.00018	0.264	1.42 U
o-Xylene	0.00266	0.798	1.42
m&p-Xylene	0.00739	0.417	2.27
1,1,1,2-Tetrachloroethane	0.00104	0.312	11.3 E
Ethylbenzene	0.00140	0.420	77.3 E
Chlorobenzene	0.00212	0.420	U
2-Hexanone	0.00149	0.636	U
1.3-Dichloropropane 1.2-Dibromoethane EDB)	0.00149	0.353	U
1.3-Dichloropropane	0.00147	0.555	U
Dibromochloromethane	0.00185	0.555	U
1,1,2-trichloroethane Ethyl methacryllate	0.00151	0.455	U
trans-1,3-Dichloropropene	0.00156	0.453	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	บ
Tetrachioroethene	0.00114	0.342	U
2-Nitropropane	0.00313 0.00114	0.939 0.342	U U
2 hiterange	0.00242	0.020	4.1

7277 Township Rd. 95 Findlay, Ohio 45840

Email bschock212@aol.com

Sample ID	B-1 (15')		
Sample ID Lab ID	DF454		
Collection Date	9/19/12		
	9/25/12		
Analysis Date Run No.	V0925008		
sample matrix	V0923000 S		Calc'd
•	MDL	RL	result
Compound	MDC	NL.	result
Diclorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	IJ
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	υ
Carbon disutfide	0.00525	1.575	υ
lodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	υ
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	υ
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	บ
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichtoropropene	0.00077	0.231	U
Toluene	0.00099	0.297	0.81

7277 Township Rd. 95 Findlay, Ohio 45840

Email bschock212@aol.com

2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	Ü
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacryllate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	Ų
Ethylbenzene	0.00104	0.312	9.38
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	0.38 J
o-Xylene	0.00116	0.348	0.21 J
Bromoform	0.00088	0.264	Ų
Styrene	0.00166	0.498	11.1
Isopropylbenzene	0.00107	0.321	0.38
Bromobenzene	0.00103	0.309	ប
n-Propylbenzene	0.00149	0.447	0.27 J
1,1,2,2-Tetrachloroethane	0.00159	0.477	Ũ
2-Chlorotoluene	0,00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	υ
t-1,4-Dichloro-2-butene	0.00121	0.363	IJ
4-Chlorotoluene	0.00119	0.357	Ü
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	U
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	Ü
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	u
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U .
Hexachlorobutadiene	0.00257	0.771	บ
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.16 J
1,2,3-Trichlorobenzene	0.00199	0.597	U
surrogate recoveries	1,2-Dichloroethane-d4	124	
	Toluene-d8	81	
	4-Bromofluorobenzene	94	

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Sample ID	B-2 (8-12')		
Lab ID	DF455		
Collection Date	9/19/12		
Analysis Date	9/25/12		
Run No.	V0925009		
sample matrix	S		Calc'd
Compound	MDL	RL	result
- Compound			
Diclorodifluoromethane	0.00216	0.648	IJ
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	υ
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	IJ
Carbon disulfide	0.00525	1.575	U
lodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	υ
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acryfonitrile	0.00175	0.525	บ
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	U
Chloroform	0.00101	0.303	Ų
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0 .00 1 51	0.453	U
Benzene	0.00086	0.258	υ
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	Ų
1,2-Dichloropropane	• 0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0,297	28.9

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0.00156	0.468	Ü
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacryllate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	U
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	U
Ethylbenzene	0.00104	0.312	291 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	8.78
o-Xylene	0.00116	0.348	4.92
Bromoform	0.00088	0.264	u
Styrene	0.00166	0.498	378 E
Isopropylbenzene	0.00107	0.321	9.56
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	4.58
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0,432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	υ
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	0.14 J
sec-Butylbenzene	0.00135	0.405	บ
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	U
n-Butylbenzene	0.00121	0.363	0.14 J
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.12 J
1,2,3-Trichlorobenzene	0.00199	0.597	U
	40.5111	4	
surrogate recoveries	1,2-Dichloroethane-d4	135	
	Toluene-d8	77	
	4-Bromofluorobenzene	75	

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0 1 10	D 5 445 500		
Sample ID	B-3 (16-20')		
Lab ID	DF456		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925010		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	0.00216	0.648	U
Chloromethane	0.00217	0.651	U
Vinyl Chloride	0.00189	0.567	Ū
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	U
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disutfide	0.00525	1.575	U
lodomethane	0.00180	0.540	U
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	U
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	IJ
2,2-Dichloropropane	0.00155	0.465	U.
Bromochloromethane	0,00064	0.192	U
Chloroform	0.00101	0.303	υ
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	U
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	υ
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	U
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	U
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	124 E

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2-Nitropropane	0.00313	0.939	U
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0,00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacryllate	0.00185	0.555	U
Dibromochloromethane	0.00147	0.441	U.
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	ប
2-Hexanone	0.00212	0.636	υ
Chlorobenzene	0.00140	0.420	Ų
Ethylbenzene	0.00104	0.312	223 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	65.5
o-Xylene	0.00116	0.348	36.7
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	351 E
Isopropylbenzene	0.00107	0.321	106 E
Bromobenzene	0,00103	0.309	U
n-Propylbenzene	0.00149	0.447	86,6 E
1,1,2,2-Tetrachloroethane	0.00159	0.477	ឋ
2-Chlorotoluene	0.00105	0.315	υ
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethy/benzene	0.00144	0.432	1.08
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	0.92
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	ប
n-Butylbenzene	0,00121	0.363	0.37
Hexachloroethane	0.00094	0.282	υ
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	0.44 J
1,2,3-Trichlorobenzene	0.00199	0.597	U
surrogate recoveries	1,2-Dichloroethane-d4	104	
	Toluene-d8	93	
	4-Bromofluorobenzene	110	

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Sample ID	B-4 (0-4')		
Lab ID	DF457		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925011		
sample matrix	s		Calc'd
Compound	MDL	RL	result
-			
Diclorodifluoromethane	0.00216	0.648	ប
Chloromethane	0.00217	0.651	υ
Vinyl Chloride	0.00189	0.567	U
Bromomethane	0.00245	0.735	U
Chloroethane	0.00588	1.764	U
Trichlorofluoromethane	0.00150	0.450	Ų
Diethyl ether	0.00118	0.354	U
1,1-Dichloroethene	0.00279	0.837	U
Carbon disulfide	0.00525	1.575	U
lodomethane	0.00180	0.540	υ
Allyl chloride	0.00051	0.153	U
Methylene Chloride	0.00174	0.522	U
Acetone	0.00329	0.987	U
trans-1,2-Dichloroethene	0.00080	0.240	Ü
Methyl-t-butyl ether (MTBE)	0.00107	0.321	U
1,1-Dichloroethane	0.00131	0.393	U
Acrylonitrile	0.00175	0.525	U
cis-1,2-Dichloroethene	0.00130	0.390	U
2,2-Dichloropropane	0.00155	0.465	U
Bromochloromethane	0.00064	0.192	Ų
Chloroform	0.00101	0.303	U
Carbon Tetrachloride	0.00135	0.405	U
Methyl acrylate	0.00165	0.495	U
1,1,1-Trichloroethane	0.00136	0.408	U
1,1-Dichloropropene	0.00761	2.283	IJ
2-Butanone	0.01500	4.500	U
1-Chlorobutane	0.00151	0.453	U
Benzene	0.00086	0.258	U
Propionitrile	0.00191	0.573	U
1,2-Dichloroethane	0.00112	0.336	U
Trichloroethene	0.00099	0.297	U
Dibromomethane	0.00104	0.312	U
1,2-Dichloropropane	0.00080	0.240	Ü
Bromodichloromethane	0.00113	0.339	U
Methyl methacrylate	0.00117	0.351	υ
cis-1,3-Dichloropropene	0.00077	0.231	U
Toluene	0.00099	0.297	15.1

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2-Nitropropane	0.00313	0.939	Ü
Tetrachloroethene	0.00114	0.342	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.654	U
trans-1,3-Dichloropropene	0,00156	0.468	U
1,1,2-trichloroethane	0.00151	0.453	U
Ethyl methacryllate	0.00185	0.555	Ų
Dibromochloromethane	0.00147	0.441	U
1.3-Dichloropropane	0.00185	0.555	U
1,2-Dibromoethane EDB)	0.00149	0.447	υ
2-Hexanone	0.00212	0.636	U
Chlorobenzene	0.00140	0.420	ឋ
Ethylbenzene	0.00104	0.312	119 E
1,1,1,2-Tetrachloroethane	0.00139	0.417	U
m&p-Xylene	0.00266	0.798	7.78
o-Xylene	0.00116	0.348	4.20
Bromoform	0.00088	0.264	U
Styrene	0.00166	0.498	213 E
Isopropylbenzene	0.00107	0.321	10.5
Bromobenzene	0.00103	0.309	U
n-Propylbenzene	0.00149	0.447	8.56
1,1,2,2-Tetrachloroethane	0.00159	0.477	U
2-Chlorotoluene	0.00105	0.315	U
1,2,3-Trichloropropane	0.00199	0.597	U
1,3,5-Trimethylbenzene	0.00144	0.432	U
t-1,4-Dichloro-2-butene	0.00121	0.363	U
4-Chlorotoluene	0.00119	0.357	U
t-Butylbenzene	0.00156	0.468	U
Pentachloroethane	0.00160	0.480	U
1,2,4-Trimethylbenzene	0.00128	0.384	U
sec-Butylbenzene	0.00135	0.405	U
p-Isopropyl toluene	0.00115	0.345	U
1,3-Dichlorobenzene	0.00145	0.435	U
1,4-Dichlorobenzene	0.00109	0.327	Ų
n-Butylbenzene	0.00121	0.363	U
Hexachloroethane	0.00094	0.282	U
1,2-Dichlorobenzene	0.00109	0.327	U
1,2-Dibromo-3-chloropropane	0.00220	0.660	U
Nitrobenzene	0.02500	7.500	U
Hexachlorobutadiene	0.00257	0.771	U
1,2,4-Trichlorobenzene	0.00152	0.456	U
Naphthalene	0.00174	0.522	U
1,2,3-Trichlorobenzene	0.00199	0.597	U
surrogate recoverles	1,2-Dichloroethane-d4	91	
	Toluene-d8	98	
	4-Bromofluorabenzene	97	

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Carrela ID	D 4 (42 46%		
Sample ID Lab ID	B-4 (12-16') DF458		
Collection Date	9/20/12		
Analysis Date	9/25/12		
Run No.	V0925012		
	VU923012 S		Calc'd
sample matrix	MDL	RL	result
Compound	WIDL	KL	resuit
Diclorodifluoromethane	0.00216	0.324	U
Chloromethane	0.00217	0.326	υ
Vinyl Chloride	0.00189	0.284	U
Bromomethane	0.00245	0.368	บ
Chloroethane	0.00588	0.882	U
Trichlorofluoromethane	0.00150	0.225	U
Diethyl ether	0.00118	0.177	U
1,1-Dichloroethene	0.00279	0.419	U
Carbon disulfide	0.00525	0.788	U
lodomethane	0.00180	0.270	Ų
Allyl chloride	0.00051	0.077	υ
Methylene Chloride	0.00174	0.261	U
Acetone	0.00329	0.494	U
trans-1,2-Dichloroethene	0.00080	0.120	U
Methyl-t-butyl ether (MTBE)	0.00107	0.161	U
1,1-Dichloroethane	0.00131	0.197	ប
Acrylonitrile	0.00175	0.263	Ų
cis-1,2-Dichloroethene	0.00130	0.195	U
2,2-Dichloropropane	0.00155	0.233	U
Bromochloromethane	0.00064	0.096	U
Chioroform	0.00101	0.152	Ú
Carbon Tetrachloride	0.00135	0.203	U
Methyl acrylate	0.00165	0.248	U
1,1,1-Trichloroethane	0.00136	0.204	υ
1,1-Dichloropropene	0.00761	1.142	U
2-Butanone	0.01500	2.250	U
1-Chlorobutane	0.00151	0.227	บ
Benzene	0.00086	0.129	U
Propionitrile	0.00191	0.287	U
1,2-Dichloroethane	0.00112	0.168	U
Trichloroethene	0.00099	0.149	U
Dibromomethane	0.00104	0.156	U
1,2-Dichloropropane	0.00080	0.120	U
Bromodichloromethane	0.00113	0.170	U
Methyl methacrylate	0.00117	0.176	U
cis-1,3-Dichloropropene	0.00077	0.116	U
Toluene	0.00099	0.149	2.69

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2-Nitropropane	0.00313	0.470	U
Tetrachloroethene	0.00114	0.171	U
4-Methyl-2-pentanone (MIBK)	0.00218	0.327	U
trans-1,3-Dichloropropene	0.00156	0.234	U
1,1,2-trichloroethane	0.00151	0.227	U
Ethyl methacryllate	0.00185	0.278	U
Dibromochloromethane	0.00147	0.221	υ
1,3-Dichloropropane	0.00185	0.278	U
1,2-Dibromoethane EDB)	0.00149	0.224	U
2-Hexanone	0.00212	0.318	U
Chlorobenzene	0.00140	0.210	U
Ethylbenzene	0.00104	0.156	20.7
1,1,1,2-Tetrachloroethane	0.00139	0.209	U
m&p-Xylene	0.00266	0.399	1,31
o-Xylene	0.00116	0.174	0.69
Bromoform	0.00088	0.132	U
Styrene	0.00166	0.249	53.8 E
Isopropylbenzene	0.00107	0.161	1.54
Bromobenzene	0.00103	0.155	IJ
n-Propylbenzene	0.00149	0.224	1.21
1,1,2,2-Tetrachloroethane	0.00159	0.239	ម
2-Chlorototuene	0.00105	0.158	່ ນ
1,2,3-Trichloropropane	0.00199	0.299	U
1,3,5-Trimethylbenzene	0.00144	0.216	U
t-1,4-Dichloro-2-butene	0.00121	0.182	U
4-Chlorotoluene	0.00119	0.179	ឋ
t-Butylbenzene	0.00156	0.234	υ
Pentachloroethane	0.00160	0.240	U
1,2,4-Trimethylbenzene	0.00128	0.192	U
sec-Butylbenzene	0.00135	0.203	U
p-Isopropyl toluene	0.00115	0.173	υ
1,3-Dichlorobenzene	0.00145	0.218	U
1,4-Dichlorobenzene	0.00109	0.164	U
n-Butylbenzene	0.00121	0.182	Ų
Hexachloroethane	0.00094	0.141	U
1,2-Dichlorobenzene	0.00109	0,164	U
1,2-Dibromo-3-chloropropane	0.00220	0.330	U
Nitrobenzene	0.02500	3.750	U
Hexachlorobutadiene	0.00257	0.386	U
1,2,4-Trichlorobenzene	0.00152	0.228	U
Naphthalene	0.00174	0.261	U
1,2,3-Trichlorobenzene	0.00199	0.299	U
surrogate recoveries	1,2-Dichloroethane-d4	94	
	Toluene-d8	93	
	4-Bromofluorobenzene	97	

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INSTRUMENT / METHOD BLANKS

Sample ID	Blank 1		
Analysis Date	9/25/12		
Run No.	V0925003		
sample matrix	S		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	0.00216	0.006	U
Chloromethane	0.00217	0.007	Ū
Vinyl Chloride	0.00189	0.006	Ū
Bromomethane	0.00245	0.007	Ū
Chloroethane	0.00588	0.018	U
Trichlorofluoromethane	0.00150	0.005	U
Diethyl ether	0.00118	0.004	U
1.1-Dichloroethene	0.00279	0.008	U
Carbon disuffide	0.00525	0.016	Ų
lodomethane	0.00180	0.005	U
Allyl chloride	0.00051	0.002	U
Methylene Chloride	0.00174	0.005	U
Acetone	0.00329	0.010	U
trans-1,2-Dichloroethene	0.00080	0.002	U
Methyl-t-butyl ether (MTBE)	0.00107	0.003	U
1,1-Dichloroethane	0.00131	0.004	U
Acrylonitrile	0.00175	0.005	Ų
cis-1,2-Dichloroethene	0.00130	0.004	U
2,2-Dichloropropane	0.00155	0.005	υ
Bromochloromethane	0.00064	0.002	U
Chloroform	0.00101	0.003	U
Carbon Tetrachforide	0.00135	0.004	U
Methyl acrylate	0.00165	0.005	U
1,1,1-Trichloroethane	0.00136	0.004	U
1,1-Dichloropropene	0.00761	0.023	U
2-Butanone	0.01500	0.045	U
1-Chlorobutane	0.00151	0.005	บ
Benzene	0.00086	0,003	U
Propionitrile	0.00191	0.006	U
1,2-Dichloroethane	0.00112	0.003	U
Trichloroethene	0.00099	0.003	บ
Dibromomethene	0.00104	0.003	Ų
1,2-Dichloropropane	0.00080	0.002	U
Bromodichloromethane	0.00113	0.003	U
Methyl methacrylate	0.00117	0.004	U
cis-1,3-Dichloropropene	0.00077	0.002	Ų
Toluene	0.00099	0.003	U
2-Nitropropane	0.00313	0.009	U



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Tetrachloroethene 4-Methyl-2-pentanone	0.00114	0.003	U
(MIBK)	0.00218	0.007	U
trans-1,3-Dichloropropene	0.00156	0.005	U
1,1,2-trichloroethane	0.00151	0.005	Ų
Ethyl methacryllate	0,00185	0.006	Ų
Dibromochloromethane	0.00147	0.004	U
1.3-Dichloropropane	0.00185	0.006	U
1,2-Dibromoethane EDB)	0.00149	0.004	U
2-Hexanone	0.00212	0.006	U
Chlorobenzene	0.00140	0.004	U
Ethylbenzene .	0.00104	0.003	U
1,1,1,2-Tetrachloroethane	0.00139	0.004	Ü
m&p-Xylene	0.00266	0.008	U
o-Xylene	0.00116	0.003	U
Bromoform	0.00088	0.003	U
Styrene	0.00166	0.005	U
Isopropylbenzene	0.00107	0.003	U
Bromobenzene	0.00103	0.003	Ð
n-Propylbenzene	0.00149	0.004	U
1.1.2.2-Tetrachloroethane	0.00159	0.005	υ
2-Chlorotoluene	0.00105	0.003	U
1,2,3-Trichloropropane	0.00199	0.006	U
1,3,5-Trimethylbenzene	0.00144	0.004	U
t-1,4-Dichloro-2-butene	0.00121	0.004	U
4-Chlorotoluene	0.00119	0.004	U
t-Butylbenzene	0.00156	0.005	U
Pentachloroethane	0.00160	0.005	U
1,2,4-Trimethylbenzene	0.00128	0.004	U
sec-Butylbenzene	0.00135	0.004	U
p-isopropyl toluene	0.00115	0.003	U
1,3-Dichlorobenzene	0.00145	0.004	U
1,4-Dichlorobenzene	0.00109	0.003	U
n-Butylbenzene	0.00121	0.004	U
Hexachloroethane	0.00094	0.003	U
1,2-Dichlorobenzene 1,2-Dibromo-3-	0.00109	0.003	U
chloropropane	0.00220	0.007	U
Nitrobenzene	0.02500	0.075	U
Hexachlorobutadiene	0.00257	0.008	U
1,2,4-Trichlorobenzene	0.00152	0.005	U
Naphthalene	0.00174	0.005	u
1,2,3-Trichlorobenzene	0.00199	0.006	U
GRO	0.01110	0.033	U
surrogate recoveries	1,2-Dichloroethane-d4	101	
	Toluene-d8	99	

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4-Bromofluorobenzene

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LCS/Spike RESULTS

	Sample ID Run No. Compound	LCS 1 V0925004	
Spike		LCS Sample	LCS Spike
Level		Result	% Recovery
ng/ml			
50	Vinyl chloride	57	114
50	1,1-Dichloroethene	66	132
50	1,1-Dichloroethane	63	126
50	cis-1,2-Dichloroethene	64	128
50	Chloroform	64	128
50	1,1,1-Trichloroethane	65	130
50	Benzene	55	110
50	Trichloroethene	62	124
50	Toluene	53	106
50	Tetrachloroethene	47	94
50	Chlorobenzene	60	120
50	Ethyl benzene	57	114
100	m&p-Xylene	114	114
50	o-Xyleпе	60	120
50	1,2,3-Trichloropropane	56	112
50	2-Chlorotoluene	55	110
50	1,2,4-Trimethylbenzene	57	114
50	1,3-Dichlorobenzene	59	118
50	1,2,4-Trichlorobenzene	48	96
50	Naphthalene	60	120
	surrogate recoverles	1,2-Dichloroethane-d4	115
		Toluene-d8	91
		4-Bromofluorobenzene	90

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MS/MSD and SAMPLE DUPLICATE RESULTS (results are from the instrument and not corrected for ditution)

	Sample (D	B-1 (0-4')					
	Lab ID	DF453					
	Run No.	V0925005	V0925006		V0925007		
	Compound						
Spike		Sample	MS Sample	MS Spike	MSD Sample	MSD Spike	RPD
Level		Results	Result	% Recovery	Result	% Recovery	
ng/ml							
50	1,1-Dichloroethene	0.0	54	108	42	84	25.0
50	1,1-Dichloroethane Methyl-t-butyl ether	0.0	47	94	48	96	2.1
51	(MTBE)	0.0	47	92	42	82	11.2
50	cis-1,2-Dichloroethene	0.0	51	102	47	94	8.2
50	1,1,1-Trichloroethane	0.0	69	138	53	106	26.2
50	Benzene	0.0	41	82	46	92	11.5
50	Trichloroethene	0.0	69	138	57	114	19.0
50	Toluene	41.6	73	63	88	93	18.6
50	Tetrachloroethene	0.0	36	72	37	74	2.7
50	Chlorobenzene	0.0	49	98	50	100	2.0
50	Ethyl benzene	738.4	798	119	863	249	7.8
100	m&p-Xylene	21.7	109	87	113	91	3.6
50	o-Xylene	13.6	60	93	64	101	6.5
50	1,3-Dichlorobenzene	0.0	53	106	53	106	0.0

S&S Onsite Analytical, Ltd.

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Case Narrative

Kilbane Environmental 11554 Lebanon Rd. Cincinnati, OH 45241

November 4, 2012

Project # 22150

All VOA samples collected for analysis by the laboratory for this project were extracted and analyzed within the respective holding times for the analyses performed.

Volatile analysis for the presence of target analytes was performed using USEPA Method 8260b utilizing a Tekmar® Purge and Trap system coupled to a Hewlett Packard® 5890/5971 GC/MS system. Water samples were either analyzed directly or diluted to bring target analytes within the linear range of the instrument. Volatile results were calculated directly from the 8260 curve.

Results listed between the MDL and the RL should be considered estimated values. In addition, sample results that exceed the calibration range of the instrument should also be considered estimated results. All samples that exceeded the linear range of the calibration curve, following any reasonable dilutions, for the sample results are flagged with an "E"; these levels are estimated and should be considered minimum values for the compounds reported.

All tune and calibration criteria were within method parameters for the compounds of interest.

NOTE:

All Water VOC results are in ug/L or (ppb).

Data Qualifiers

- B Compound was detected in the blank.
- U Compound was analyzed for but not detected above the MDL.
- J The compound results were between the MDL and the RL.
- E The concentration found in the sample exceeds the calibration range of the instrument.

NOTE: Reporting Limits reflect any sample dilutions that may have been performed.

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SAMPLE RESULTS

Sample ID	MW-4		
Lab ID	DF533		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103005		
sample matrix	W		Calc'd
Compound	MDL	RL	result
			ս ց/L
Dictorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	Ų
Chloroethane	7.47	22.4	U
Trichlorofluoromethane -	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	Ų
trans-1,2-Dichloroethene	1.22	3.7	Ų
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	ŭ
cis-1,2-Dichloroethene	1.73	5.2	Ū
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	Ų
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	Ū
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	υ
Benzene	1.54	4.6	U
Proplonitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene 4-Methyl-2-pentanone	0.76	2.3	U
(MIBK)	3,82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacryllate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1.3-Dichloropropane	2.06	6.2	υ
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	` ບ
Chlorobenzene	1.75	5.3	Ü
Ethylbenzene	1.43	4.3	υ
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1,67	5.0	Ü
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	ប
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	υ
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	IJ
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	υ
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene 1,2-Dibromo-3-	2.26	6.8	U
chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	Ų
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U
surrogate recoveries	1,2-Dichloroethane-d4	105	
	Toluene-d8	101	

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4-Bromofluorobenzene

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Sample ID	MW-6		
Lab ID	DF534		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103008		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	1,59	4.8	U
Chloromethane	1,32	4.0	U
Vinyl Chloride	1,71	5.1	Ū
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	IJ
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	U
Iodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	U
trans-1,2-Dichloroethene	1,22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	υ
Carbon Tetrachloride	1.39	4.2	υ
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	υ
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	Ü
Bromodichloromethane	1.74	5.2	υ
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1,53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene	0.76	2.3	U
4-Methyl-2-pentanone (MIBK)	3.82	11.5	υ
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacryllate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U٠
1.3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	8.74
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	Ų
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	υ
Styrene	1.80	5.4	5.90
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	Ų
2-Chlorotoluene	2.15	6.5	υ
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1,91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chiorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	u
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene 1,2-Dibromo-3-	2.26 3.15	6.8 9.5	u
chloropropane Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U
·, =, o · · · · · · · · · · · · · · · · · ·	7.01	0.0	J
surrogate recoveries	1,2-Dichloroethane-d4	106	
	Toluene-d8	101	
	4-Bromofluorobenzene	90	

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Sample ID	MW-13		
Lab ID	DF535		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103009		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Compound		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Diclorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	Ü
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	U
Carbon disulfide	7.55	22.7	Ų
lodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	Ų
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	Ų
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochloromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	Ų
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1,54	4.6	U
Propionitrile	2.38	7.1	บ
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	υ
cis-1,3-Dichloropropene	1.72	5.2	υ
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	Ų
Tetrachloroethene 4-Methyl-2-pentanone	0.76	2.3	U
(MIBK)	3.82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacryllate	1.51	4.5	U
Dibromochioromethane	2.16	6.5	U
1.3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	Ų
2-Hexanone	2.23	6.7	IJ
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	U
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	Ų
Styrene	1.80	5.4	U
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	υ
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	U
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	υ
1,2-Dichlorobenzene 1,2-Dibromo-3-	2.26	6.8	U
chloropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	Ų
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U
surrogate recoveries	1,2-Dichloroethane-d4	102	
	Toluene-d8	101	

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4-Bromofluorobenzene

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S&S Onsite Analytical, Ltd.

Phone (419) 422-9796 Fax (419) 422-4840 Cell (419) 722-4597 7277 Township Rd. 95 Findlay, Ohio 45840

Email <u>bschock212@aol.com</u>

Sample ID	B-4		
Lab ID	DF536		
Collection Date	10/31/12		
Analysis Date	11/3/12		
Run No.	V1103010		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Diclorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	U
Vinyl Chloride	1.71	5.1	U
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	U
Trichlorofluoromethane	1.63	4.9	U
Diethyl ether	2.90	8.7	U
1,1-Dichloroethene	5.96	17.9	Ü
Carbon disulfide	7.55	22.7	U
lodomethane	3.86	11.6	U
Allyl chloride	0.70	2.1	U
Methylene Chloride	15.00	45.0	U
Acetone	3.94	11.8	、υ
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrite	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	U
Bromochioromethane	2.32	7.0	U
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1.39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	υ
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	IJ
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7.4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U

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2-Nitropropane	2.95	8.9	U
Tetrachloroethene 4-Methyl-2-pentanone	0.76	2.3	U
(MIBK)	3,82	11.5	U
trans-1,3-Dichloropropene	1.94	5.8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacryllate	1.51	4.5	U
Dibromochloromethane	2.16	6.5	U
1.3-Dichloropropane	2.06	6.2	U
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	453 E
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	9.06
o-Xylene	1.67	5.0	7.79
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	230
Isopropylbenzene	1.54	4.6	1.57 J
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2.15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1.3.5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	Ū
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	· U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	Ū
1,3-Dichlorobenzene	1.98	5.9	υ
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1,19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene	2.26	6.8	U
1,2-Dibromo-3- chloropropane	3.15	9.5	υ
Nitrobenzene	20.00	60.0	Ū
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	Ū
1,2,3-Trichlorobenzene	1.87	5.6	Ü
			_
surrogate recoveries	1,2-Dichloroethane-d4	98	
	Toluene-d8	102	

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4-Bromofluorobenzene

7277 Township Rd. 95 Findlay, Ohio 45840

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INSTRUMENT / METHOD BLANKS

Seconda ID	Diam'r 4		
Sample ID	Blank 1 11/3/12		
Analysis Date			
Run No.	V1103003		
sample matrix	W		Calc'd
Compound	MDL	RL	result
Dictorodifluoromethane	1.59	4.8	U
Chloromethane	1.32	4.0	Ü
Vinvi Chloride	1.71	5.1	Ü
Bromomethane	2.44	7.3	U
Chloroethane	7.47	22.4	u
Trichlorofluoromethane	1.63	4.9	u
Diethyl ether	2.90	8.7	ü
1.1-Dichloroethene	5.96	17.9	u
Carbon disulfide	7.55	22.7	บ
Iodomethane	3.86	11.6	U
	0.70	2.1	U
Allyl chloride .	****	_, .	_
Methylene Chloride	15.00 3.94	45.0	U
Acelone		11.8	U
trans-1,2-Dichloroethene	1.22	3.7	U
Methyl-t-butyl ether (MTBE)	2.46	7.4	U
1,1-Dichloroethane	1.50	4.5	U
Acrylonitrile	3.30	9.9	U
cis-1,2-Dichloroethene	1.73	5.2	U
2,2-Dichloropropane	1.55	4.7	υ
Bromochloromethane	2.32	7.0	υ
Chloroform	1.66	5.0	U
Carbon Tetrachloride	1,39	4.2	U
Methyl acrylate	3.18	9.5	U
1,1,1-Trichloroethane	1.44	4.3	U
1,1-Dichloropropene	1.19	3.6	U
2-Butanone	15.00	45.0	U
1-Chlorobutane	1.20	3.6	U
Benzene	1.54	4.6	U
Propionitrile	2.38	7.1	U
1,2-Dichloroethane	3.75	11.3	U
Trichloroethene	1.32	4.0	U
Dibromomethane	2.45	7,4	U
1,2-Dichloropropane	1.52	4.6	U
Bromodichloromethane	1.74	5.2	U
Methyl methacrylate	2.19	6.6	U
cis-1,3-Dichloropropene	1.72	5.2	U
Toluene	1.53	4.6	U
2-Nitropropane	2.95	8.9	U
, .			

7277 Township Rd. 95 Findlay, Ohio 45840

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war in the sales of	0.70	2.2	
Tetrachloroethene 4-Methyl-2-pentanone	0.76	2,3	U
(MIBK)	3.82	11.5	U
trans-1,3-Dichtoropropene	1.94	5,8	U
1,1,2-trichloroethane	2.42	7.3	U
Ethyl methacryllate	1.51	4.5	U
Dibromochioromethane	2.16	6.5	U
1.3-Dichloropropane	2.06	6.2	υ
1,2-Dibromoethane EDB)	2.50	7.5	U
2-Hexanone	2.23	6.7	U
Chlorobenzene	1.75	5.3	U
Ethylbenzene	1.43	4.3	U
1,1,1,2-Tetrachloroethane	1.84	5.5	U
m&p-Xylene	3.00	9.0	U
o-Xylene	1.67	5.0	U
Bromoform	1.59	4.8	U
Styrene	1.80	5.4	U
Isopropylbenzene	1.54	4.6	U
Bromobenzene	2.32	7.0	U
n-Propylbenzene	1.50	4.5	U
1,1,2,2-Tetrachloroethane	2.93	8.8	U
2-Chlorotoluene	2,15	6.5	U
1,2,3-Trichloropropane	2.25	6.8	U
1,3,5-Trimethylbenzene	1.91	5.7	U
t-1,4-Dichloro-2-butene	3.48	10.4	U
4-Chlorotoluene	1.65	5.0	U
t-Butylbenzene	2.50	7.5	U
Pentachloroethane	3.95	11.9	U
1,2,4-Trimethylbenzene	1.81	5.4	U
sec-Butylbenzene	1.75	5.3	U
p-Isopropyl toluene	1.40	4.2	υ
1,3-Dichlorobenzene	1.98	5.9	U
1,4-Dichlorobenzene	1.79	5.4	U
n-Butylbenzene	1.19	3.6	U
Hexachloroethane	2.29	6.9	U
1,2-Dichlorobenzene 1,2-Dibromo-3-	2.26	6.8	U
chioropropane	3.15	9.5	U
Nitrobenzene	20.00	60.0	U
Hexachlorobutadiene	1.24	3.7	U
1,2,4-Trichlorobenzene	1.70	5.1	U
Naphthalene	2.86	8.6	U
1,2,3-Trichlorobenzene	1.87	5.6	U
GRO	42.6	127.7	U
surrogate recoveries	1,2-Dichloroethane-d4	104	
-	Toluene-d8	100	
	4		

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Bromofluorobenzene

7277 Township Rd. 95 Findlay, Ohio 45840

Email <u>bschock212@aol.com</u>

LCS/Spike RESULTS

	Sample ID Run No. Compound	LCS 1 V1103004	
Spike		LCS Sample	LCS Spike
Level		Result	% Recover
ng/ml			
50	Vinyl chloride	37	74
50	1,1-Dichloroethene	48	96
50	1,1-Dichloroethane	44	88
50	cis-1,2-Dichloroethene	43	86
50	Chloroform	47	94
50	1,1,1-Trichloroethane	49	98
50	Benzene	40	80
50	Trichloroethene	40	80
50	Toluene	38	76
50	Tetrachloroethene	33	66
50	Chlorobenzene	39	78
50	Ethyl benzene	40	80
100	m&p-Xylene	84	84
50	o-Xylene	39	78
50	1,2,3-Trichloropropane	37	74
50	2-Chlorotoluene	36	72
50	1,2,4-Trimethylbenzene	40	80
50	1,3-Dichlorobenzene	38	76
50	1,2,4-Trichlorobenzene	37	74
50	Naphthalene	38	76
	surrogate recoveries	1,2-Dichloroethane-d4	115
		Toluene-d8	99
		4-Bromofluorobenzene	97

7277 Township Rd. 95 Findlay, Ohio 45840

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MS/MSD and SAMPLE DUPLICATE RESULTS (results are from the instrument and not corrected for dilution)

	Sample ID	MW-4					
	Lab ID	DF533					
	Run No.	V1103005	V1103006		V1103007		
	Compound						
Spike		Sample	MS Sample	MS Spike	MSD Sample	MSD Spike	RPD
Level		Results	Result	% Recovery	Result	% Recovery	
ng/ml							
50	1,1-Dichloroethene	0.0	48	96	47	94	2,1
50	1,1-Dichloroethane	0.0	41	82	39	78	5.0
	Methyl-t-butyl ether						
51	(MTBE)	0.0	41	80	41	80	0.0
50	cis-1,2-Dichloroethene	0.0	40	80	40	80	0.0
50	1,1,1-Trichloroethane	0.0	43	86	41	82	4.8
50	Benzene	0.0	39	78	38	76	2.6
50	Trichloroethene	0.0	39	78	37	74	5.3
50	Toluene	0.0	39	78	38	76	2.6
50	Tetrachloroethene	0.0	38	76	38	76	0.0
50	Chlorobenzene	0.0	39	78	37	74	5.3
50	Ethyl benzene	0.2	40	80	38	76	5.1
100	m&p-Xylene	0.4	86	86	82	82	4.8
50	o-Xylene	0.0	40	80	38	76	5.1
50	1.3-Dichlorobenzene	0.0	39	78	37	74	5.3

APPENDIX E
CHAIN OF CUSTODY FORMS

S and S Onsite Analytical, Ltd. 7277 Township Rd. 95 Findlay, OH 45840 Phone 419-422-9796

Chain of Custody Record

was in

Resour ...

Page L of L

]		Location of Sampling Site	of Sampl	ing Site		Analys	Analysis and Method Requested	Shipment Seal No.
Project No. Project Name.		160%	TROY ,OH					
Sampler (Signature)			Purchase	Purchase Order NO.		701 Weth		
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: (Signature)	<u>a</u>	Served for	Laborat	Received for Laboratory by: (Sig.)		Date/Time	Cient ID Nullber.	
		Sec to	its to: //	Donnet Results to: 10 A. C. Mareen J. Com	harren		Phone No. 5/3-874-6650	0650
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Report Results to: 10 4

S.

Seal intact at lab?

S and S Onsite Analytical, Ltd. 7277 Township Rd. 95 Findlay, OH 45840 Phone 419-422-9796

Chain of Custody Record

Page / of /

Reorinested Shipment Seal No.			Lab ID No. Filled in by lab	AP 533	534	25.5	355 55K								Date/Time 2. Received by: (Sig.)	j.		
Analysis and Mathod Registed		Metho	Preserve	14/ 12/ /	/e/	<i>形</i> / 温 /	元 () () () () () () () () () (\$7.00 \$7.00 \$7.00	150 (24) 50 (24) 51 (24)					2. Relinquished by: (Signature)	Client ID Number.	Phone No.:	
Location of Sampling Site	1/201, Ott	Purchase Order NO.	Matrix No. of Type F	WHERE Z GOING	Waren 2 Houl	Notes 2 day	WATER 2 GOLD								1. Received by: (Signature)	Received for Laboratory by. (Sig.)	Report Results to:	
Project Name:	22150	Sampler (Signature)	No. Sample Field I.D. Date Time B do G	1 MWA 10/2/12 1410	MINS	3 MUST / 1430 /	<u> </u>	25	9		60	6	07	narks/Special Instructions (Detection Limit,	1. Relinquished by: (Signature) Date/Time 1. Re	Signature) Date/Time	Seal intact at lab? Yes No Repo	

APPENDIX F DISPOSAL DOCUMENTATION

NO UST EXCAVATION WAS CONDUCTED CLOSURE IN-PLACE

NO DISPOSAL ACTIVITIES

APPENDIX G
MISCELLANEOUS DATA

January 2, 2004

Ohio Department of Commerce Division of State Fire Marshal Bureau of Underground Storage Tank Regulations 8895 E. Maint St. PO Box 687 Reynoldsburg, OH 43068-9009

Attn: Ms. Amanda Davies

Re: UST Abandonment

Dear Ms. Davies:

This letter is in response to your request for information dated December 9, 2003. Below is a description of procedures followed during temporary abandonment of the 20,000 gallon styrene tank at Troy, Ohio. Permanent closure of the tank has not been completed.

In October, 1998, Deltech Polymers Corporation contracted the Payne Firm to complete closure on two 500 gallon Therminol tanks and the styrene tank. They sub-contracted the tank cleaning to AST Environmental. In November, 1998, AST cleaned the three tanks. The styrene tank was water blasted and entered, removing all liquid, semi-solid, or solid residues in the tank. The top man way cover was then reinstalled, and the tank was vented per regulation. The tank has remained in this state until present time, clean and empty.

Deltech Polymers Corporation intended to permanently close the tank in place, fill it with an inert concrete-like material, and submit a final closure assessment report. Deltech Polymers submitted a request for deviation from the soil sampling requirements. This request was based on two main points. First, periodic leak detection conducted on the tank always showed that the tank was not leaking. Second, an explosion and fire in 1987 had contaminated the soil in the vicinity of the tank. This contamination had shown up in monitoring wells just downstream of the area, but was decreasing through natural attenuation. However, soil sampling around the tank would surely show hydrocarbon contamination (styrene and ethyl

benzene), and this contamination would not have originated with the styrene tank. Therefore, there was no constructive purpose for conducting the soil sampling.

To date, Deltech Polymers Corporation has not been able to resolve the dispute with BUSTR, and has not submitted a closure assessment report. It is our desire to complete the closure as soon as possible and lay this matter to rest.

If there is any further information I can provide, please contact me (937) 335-5286 Ext. 11, or via e-mail at jmathis@deltechcorp.com.

Sincerely,

Jim Mathis V.P. Operations

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TERMS AND CONDITIONS

ADDITIONAL GHARGES: An additional unloading charge (\$50 per from) may be edided if the Purchaser exceeds six minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday definers.

COLLECTION: In the event legal action is commenced to collect payment, Purchaser egrees to pay all reasonable attorneys less and court costs and interest shall accrue at the rate of 1/4 per month on all past due balances.

WARRANTY DISCLAIMER: All warrantes either express of implied are void it water is added to the concrete to increase the alump over the inazimum limit indicated below or if the concrete has been on the truck for more than 90 minutes. Our concrete strength quarantee per ASTM C-194 will not be elective onlies field sampling and handing has been done per ASTM C-172 and ASTM C-31 and the test lab complies with 4STM C-39 and ASTM-239. If

OFF (ROAD DELIVERIES) it Purchase; orders delivery beyond the paved street or cut, line; the Purchase; states the record health leads to the points of delivery. The Purchaser, understands that Ernst does not essuine any liability or approaches to the points of delivery. The Purchaser, understands that Ernst does not essuine any liability or approaches to the points of delivery. The Purchaser understands that Ernst does not essuine any liability available paved street or curls line. The Purchaser agrees to book tramtess Ernst for any such property incises or dampe incurred as a result of this delivery and also agrees to indemnify Ernst for any damage, to Ernst's equipment or the loss caused by any condition on the property, including weeker charges for jary contracts that the becomes study.

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CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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CUSTOMER'S RISK

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TERMS AND CONDITIONS

TERMS AND CONDITIONS.

ADDITIONAL CHARGES: An additional unloading charge (\$50 per hour) may be added if the Purchaser exceed, minutes per yard unloading time. Additional charges may also apply to small loads and overtime (after \$10 p.m. were and Saturday deliveries.

COLLECTION (in the event logal action is commenced to collect payment, Purchased agrees to pay all reas attorneys fees and fourth costs and interest shall accrue at the rate of 14% per month on all past due balances.

WARRANTY DISCLAIMER: All warrentles either express or implied are void if water is added to the concrete to increase the stump over the maximum limit indicated below or it the concrete has been on the truck for more than 90 minutes. Our concrete strength quarantee per ASTM C-94 will not be effective unless field sampting and handing has been done per ASTM C-172 and ASTM C-31 and fine test tab complies with ASTM C-39 and ASTM 229.

than 90 minutes. Our concrete susmous than 90 minutes of the part of the part

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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WATER ADDED AT **CUSTOMER'S RISK** WATER ADDED (GAL.)

GALS FULL LOAD

TEST RESULTS

CONC. TEMP

AIR %

GALS 1/3 LOAD



TERMS AND CONDITIONS >...

TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge (\$60 per hour) may be added if the Purchaser exceeds the minutes per year unloading time. Additional charges may also apply to small loads and overtime (aller 5,00 p.m. weekdays), and Saturday deliveries.

COLLECTION (In the event legal action is commenced to collect payment, Purchaser agrees to pay all reasonable altoneys tees and court costs and interest shall accrue a take jate of 19% per month on all past due balances.

WARRANTY DISCLAIMER All worranties either express or implied are void if water is added to the concrete to increase this shamp over the maximum limit indicated below or if the contrete has been on the truck for more than 90 minutes. Our concrete strength quarantee per ASTM C-94 will not be effective unless held sampling and handing has been done per ASTM C-172 and ASTM-C-13 and the lest lab complete with ASTM C-39 and ASTM-329.

OFF ROAD IDELIVERIES. If Purchaser orders delivery beyond the paved street or curb ine, the Purchaser states that he or other has full authority to permit delivery from a requested delivery site and agrees to provide adequate roadways and approaches to the points of delivery. The Purchaser agrees to held namiles Ernst for any such property loss or damage in real or personal property caused by the concrete truck when it leaves the available payed street or curb line. The Purchaser agrees to indemnify Ernst loss army damage to Ernst appropriation or other loss caused by any condution on the property, including wicker charges for any condution on the property, including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any condution on the property including wicker charges for any

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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LOAD	UNIT OF	CUMULATIVE	ORDERED QUANTITY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
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PLANT

WATER ADDED AT

CUSTOMER'S RISK

WATER ADDED (GAL.)

GALS 1/3 LOAD

TEST RESULTS

AIR %

CONC. TEMP

GALS FULL LOAD



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TERMS AND CONDITIONS

ADDITIONAL CHARGES: An additional unloading charge (\$60 per hour) may be added if the Purchase Lexice infrures per year unloading time. Additional charges may also apply to small back and overtime (after 500 p.m.) week and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect payment. Purchaser agrees to pay all resso altomays less and cool costs and interest shall accrue to the rate of 1985 per micrith on all past due balance. WARRANTY, DISCLAIMER: All warranties either express or implied are vided it water is added to the control payment. Purchaser less than 90 minutes. One of the stump over the maximum limit indicated below or if the controls has been only the truck for than 90 minutes. Our concrete excepting quarantee per ASTM C-94 will not be effective unless field sampling and has been done per ASTM C-1-72 and ASTM C-31 and the lest lab complete with ASTM C-31 and ASTM C-31 and the lest also complete with ASTM C-31 and ASTM C-31 and the lest also complete with ASTM C-31 field.

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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WATER ADDED AT

CUSTOMER'S RISK WATER ADDED (GAL)

GALS 1/3 LOAD

TEST RESULTS

SLUMP : CONC. TEMP.= 5

GALS FULL LOAD

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ADDITIONAL and an including time. Additions and Saturday delivered to pay all masonable and Saturday deliveries.

COLLECTION: In the event legal action is commenced to collect perment. Purchaser agrees to pay all masonable attorneys less and court costs and interest shelf across at the rate of 19% per month on allipses due belances.

WARRANTY DISCLAIMER: All warrantes either express or implied are yold if water is added to the concrete to increase the alump over the maximum limit indicated belance or 18 for the concrete has been on the truck for more than 90 minutes. Our concrete strength quarantee per ASTM C-94 will not be effective unless telled sampling and handing has been done per ASTM C-172 and ASTM C-31 and the test tab grouples with ASTM C-39 and ASTM C-30 and ASTM C-

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CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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DATE: SECTION AND ADDRESS OF THE PARTY OF TH	CUSTOMER NAME (Cal Cust	PO!		

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TERMS AND CONDITIONS

ADDITIONAL CHARGES. An additional unloading charge (\$60 per hour) may be added if the Purchaser expeeds six imbutes per yard unloading time. Additional charges may also apply to small loads and overtime (after 5:00 p.m. weekdays) and Saturday deliveres.

and Saturday deliveres

COLLECTION: In the event legal action is commerced to collect payment, Purchaser agrees to pay all reasonable altoness less and court costs and interest shall accrue at the rate of 1 1/25 per month on all past due balances.

WARRANTY/DISCLAMER: All warranties either express or implied are void it water is added to the concreto to increase the stump over the maximum limit indicated below or it the concreto has been on the truck for more than 90 minutes; Our concrete strength guarantee per ASTM C-34 with not be eitlective unless field sampling and handing has been done per ASTM C-172 and ASTM C-31 and the test lab compiles with ASTM C-39 and ASTM -329.

too been done per ASTM C-172 and ASTM C-31 and the test all complete with ASTM C-39 and ASTM S-29.

OFF HOAD DELIVERIES. If Purchaser orders delivery beyond the paved street or curb line, the Purchaser states that the or street has full authority to permit delivery to the requested delivery site and agrees to provide adequate madways or approaches to the points of delivery. The Purchaser understands, that Ernst does not assume any liability, or responsibility for any damage to real or personal property caused by the concrete truck when it leaves the svallable period street or curb line. The Purchaser agrees to hold harmless Ernst for any such property loss or damage incurred as a result of this delivery and also agrees to indemnty. Ernst for any damage to Ernst equipment or other loss caused by any condition on the property including wroker charges for any concrete truck that becomes stuck.

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CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

THE CONTRACTOR OF THE SAME

CUSTOMER NAME : 000382919# STATE TICKET () DELIVERY ADDRESS 112 12 12 1250°S; UNION ST 502521 SPECIAL INST/D

JOB @ DELTECH AROSS THE TRACKS

SLUMP TIME DUE 1 0100

BACK FILL

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PREV TRK

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WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT WARNING: SEE MSDS DISCLOSURE ON REVERSE SIDE.

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WATER ADDED AT CUSTOMER'S RISK WATER ADDED (GAL.) ÔN. GALS FULL LOAD JOB POUR GALS 2/3 LOAD WASH TEST RESULTS IN

ADDITIONAL CHARGES. An additional unloading charge (\$60 per minutes per yard unloading time. Additional charges may also apply to and Saturday deliveries.

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CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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WARNING:

WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT

SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER GOPY

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TO

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JOB

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> TEST RESULTS

AIR % SLUMP

CONC. TEMP

WATER ADDED AT

CUSTOMER'S RISK

WATER ADDED (GAL.)

GALS FULL LOAD

GALS 2/3 LOAD

GALS 1/3 LOAD



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COLLECTION, in the event logal action is commenced to collect payment, Purchaser agrees to pay all reasonable interrupts (see and court costs and interest shall accrue at the late of 14% per month on all past due balances.

WARRANTY DISCLAMAER: All warranties either express or implied are void if water is added to the concrete to increase the slump over the maximum limit indicated before or if the concrete has been on the truck for more han 90 minutes. Our concrete strength guarantee per ASTM C-91 will not be effective unless lief sampling and handing has been done per ASTM C-172 and ASTM C-30 and ASTM-329.

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT SEE MSDS DISCLOSURE ON REVERSE SIDE.

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JOB POUR

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PREVIRK



WATER ADDED AT **CUSTOMER'S RISK** WATER ADDED (GAL) GALS FULL LOAD

TEST RESULTS AIR %

external contract SLUMP

CONC. TEMP

ADDITIONAL CHARGES: An additional unloading charge (\$60 per hour) initiouses per yeard unloading time. Additional charges may also apply to small and Saturday deliyeries.

COLLECTION: In the altino costs and interest a altinoneys less and court costs and interest as altinoneys less and court costs and interest as a support of the concrete has been on the trush interests the altino year the maximum limit indicated below or if the concrete has been on the trush than 80 minutes. Our concrete strength guarantee per ASTM C-90, with not be effective britest field sampting and handing has been done per ASTM C-17 and ASTM C-31 and the test lab complies with ASTM C-90 and ASTM C-90.

OFF ROAD/DELVERIES: If Purchaser orders delivery, beyond the power street or cuto tine, the Purchaser states that he or she has led authority to permit delivery to the requested delivery sate and agrees to provide adequate maximasy he or she has led authority to permit delivery to the requested delivery sate and agrees to provide adequate maximasy he or she has led authority to permit delivery. The Purchaser understands that Ernst does not assume any liability or he had a support to caused by the concert much when it leaves the concern and the provide adequate maximum than the provide adequate maximum than the provide adequate maximum and the provide adequate maximum than the

CAUTION: CONCRETE BURNS - READ WARNING ON REVERSE SIDE

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DATE	CUSTOMER NAME:				CUST #	PO.#3	
12/18/12	DELTEC	H_POLYMER	S CORP		0003829	1-32 75 - 15	5392*******
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.WORKTYPE TIME DUE

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	10.00	ĊΫ	100.00	1.00	WINTER®CHARGE 少。	agender of the part of the second of	erentere men a judice stander tippe printing valuetier für av Televisioner a
2000		a production		and the state of t			
	ing es Janes y Janes Standard Barrier					SUBTOTAL	

WET UNHARDENED CONCRETE MAY BE HARMFUL DUE TO CHEMICAL CONTENT WARNING: SEE MSDS DISCLOSURE ON REVERSE SIDE.

CUSTOMER COPY

TAX

TOTAL



Division of State Fire Marshal John R. Kasich, Governor David Goodman, Director

March 28, 2013

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

SITE: DELTECH POLYMERS CORP.

1250 S UNION ST TROY OH MIAMI COUNTY

RELEASE #55000232-N00001

RE: HAZARDOUS SUBSTANCE CLOSURE

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your "Closure Assessment Additional Information Response" dated March 13, 2013, for the removal of a 20,000 gallon steel styrene tank which was closed in place on December 18, 2012. Based on this review BUSTR has determined that a release from the UST(s) has occurred and that corrective actions are necessary. USTs containing hazardous substances as listed in Ohio Administrative Code 1301:7-9-3, effective July 1, 2012 are regulated by BUSTR during closure but not corrective action. Therefore, a copy of the Closure Assessment Report must be submitted to the United States Environmental Protection Agency (USEPA) Region 5 who will provide corrective action oversight. The contact information for USEPA Region 5 is as follows:

Ms. Erin Galbraith
Underground Storage Tank Section
Land and Chemical Division
USEPA Region 5
77 West Jackson Boulevard (LR-8J)
Chicago, IL 60064

A copy of the Closure Assessment Report must be submitted to the USEPA by June 28, 2013.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at http://www.com.state.oh.us/fire/bustMain.aspx or by calling our office.

Thank you for your cooperation. If you have any questions, please contact me at 614-728-4588

Sincerely

Drue E. Roberts

(Environmental Specialist

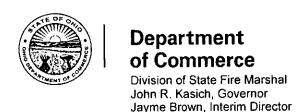
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Site File

Erin Galbraith, USEPA Region 5

Bureau of Underground Storage Tank Regulations 8895 East Main Street Reynoldsburg, OH 43068 U.S.A. 614 | 752 7938 Fax 614 | 752 7942

TTY/TDD 800 | 750 0750 www.com.chio.gov



March 20, 2013

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

SITE: DELTECH POLYMERS CORP.

1250 S UNION ST

TROY OH

MIAMI COUNTY

RELEASE #55000232-N00001

RE: TIER 1 DELINEATION REQUIRED

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your report titled "Response to Additional Information Request" dated March 13, 2013. BUSTR has determined that soil contamination exists in excess of the action levels applicable to this site. You are required to perform a Tier 1 Delineation as prescribed in Ohio Administrative Code 1301:7-9-13(I), effective July 1, 2012, and explained in BUSTR's Technical Guidance Manual (2012). These documents describe the activities that must be performed during the Tier 1 Delineation and the information that is to be submitted to BUSTR. Tier Investigation Report on or before submit You must March 20 2104.

The purpose of the Tier 1 Delineation is to define the vertical and horizontal extent of chemical(s) of concern in soil and ground water to the Delineation Levels referenced in OAC 1301:7-9-13(J)(1) and to determine the potential drinking water use at the site.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at http://www.com.ohio.gov/fire/bustMain.aspx or by calling our office.

Thank you for your cooperation. If you have any questions, please contact me at (614) 728-4588.

Sincerely,

Drue Roberts
Environmental Specialist

xc: Site File



Division of State Fire Marshal John R. Kasich, Governor David Goodman, Director

January 29, 2013

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

SITE: DELTECH POLYMERS CORP. 1250 S UNION ST TROY OH MIAMI COUNTY

RELEASE #55000232-N00003

RE: ADDITIONAL INFORMATION REQUESTED

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your report titled "BUSTR Closure Form 2005" dated January 11, 2013. Based on our review, BUSTR requests the following:

1. The samples were not analyzed by an accredited laboratory per Ohio Administrative Code 1301:7-9-02 (B)(1). If proof of laboratory accreditation cannot be provided the soil and groundwater samples must be re-sampled and analyzed by an accredited laboratory.

Please be advised that the transfer of the property will not extinguish your liability to perform the required corrective actions. Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at http://www.com.ohio.gov/fire/bustMain.aspx or by calling our office.

Please submit this information to BUSTR on or before May 1, 2013.

Thank you for your cooperation. If you have any questions, please contact me at (614) 728-4588.

Drue Roberts

Sincerel

Environmental Specialist

xc:

Site File



Division of State Fire Marshal John R. Kasich, Governor David Goodman, Director

August 09, 2012

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

SITE: DELTECH POLYMERS CORP.
1250 S UNION ST
TROY OH
MIAMI COUNTY
RELEASE #55000232-N00003

RE: APPROVAL TO PERFORM CLOSURE IN LIEU OF A SITE CHECK

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your request dated July 17, 2012, to perform a closure-in-place of the UST system.

Approval is hereby granted for closure in place of the UST system, or portion of UST system. At least one of the samples required under Ohio Administrative Code 1301:7-9-12, shall be biased towards the suspected areas of highest concentration of chemical(s) of concern resulting from the suspected release.

All excavated soils shall be managed as petroleum contaminated soils (PCS) unless laboratory analysis indicates otherwise. Underground storage tank owners and/or operators are therefore requested to complete and submit a "Petroleum Contaminated Soil Form". The completion of this form, along with all applicable supporting information and documentation, will allow the BUSTR staff to verify proper PCS disposal. A separate form must be completed for each soil pile or containerized soil group.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at http://www.com.state.oh.us/fire/bustMain.aspx or by calling our office.

Thank you for your cooperation. If you have any questions, please contact Drue Roberts at (614)728-4588.

Sincerely,

Drue Roberts

Environmental Specialist

xc:

Site File



Division of State Fire Marshal John R. Kasich, Governor David Goodman, Director

August 09, 2012

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, OHIO 45373

SITE: DELTECH POLYMERS CORP.

1250 S UNION ST

TROY OH

MIAMI COUNTY

RELEASE #55000232-N00003

RE: APPROVAL TO PERFORM CLOSURE IN LIEU OF A SITE CHECK

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your request dated July 17, 2012, to perform a closure-in-place of the UST system.

Approval is hereby granted for closure in place of the UST system, or portion of UST system. At least one of the samples required under Ohio Administrative Code 1301:7-9-12, shall be biased towards the suspected areas of highest concentration of chemical(s) of concern resulting from the suspected release.

All excavated soils shall be managed as petroleum contaminated soils (PCS) unless laboratory analysis indicates otherwise. Underground storage tank owners and/or operators are therefore requested to complete and submit a "Petroleum Contaminated Soil Form". The completion of this form, along with all applicable supporting information and documentation, will allow the BUSTR staff to verify proper PCS disposal. A separate form must be completed for each soil pile or containerized soil group.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at http://www.com.state.oh.us/fire/bustMain.aspx or by calling our office.

Thank you for your cooperation. If you have any questions, please contact Drue Roberts at (614)728-4588.

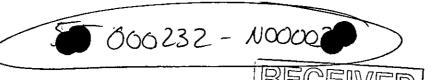
Drue Roberts

Sincerel

Environmental Specialist

xc:

Site File .



1250 South Union Street Troy, OH 45373 (937) 339-3150 Fax: (937) 339-7694



DELTECH POLYMERS CORPORATION

SFM/BUSTR

Thomas M. Lowry Deltech Polymers Corp. 1250 S.Union Street Troy, OH 45373 July 2, 2012

Marshal Larry Flowers State Fire Marshal Ohio Dept. of Commerce, Division of State Fire Marshal (BUSTR) 8895 East Main Street Reynoldsburg, OH 43068

Dear Marshal Flowers,

I am writing this letter to formally request to close in place tank #3 of Deltech Polymers Corp. listed tank inventory. Tank #3 has been out of service for a number of years, is empty and dry as demonstrated during the recent inspection and has no commercial value to Deltech Polymers Corp. Given Tank #3's close proximity to Deltechs existing process equipment, removal would undermine several other structures. It is in consideration of these facts that Deltech requests permission to close in place by approved methods Tank #3. If any further information is needed by your office, please feel free to contact me. My contact information is listed below

Best regards,

Thomas M. Lowry
Deltech Polymers Corp.
1250 South Union Street
Troy Ohio, 45373
(937) 339-3150 Ext 121
TLowry @deltechcorp.com

Cc: Steven Krichbaum Brent Reedstrom File



JULY 12, 2012

TOM LOWRY
DELTECH POLYMERS CORP.
1250 S UNION ST
TROY, Ohio 45373

RE:

Closure-In-Place of T00003, a 20,000-Gallon Hazardous Substance Underground Storage Tank (UST) Located at Deltech Polymers Corp., 1250 South Union Street, Troy, Ohio, Facility # 55000232.

Dear Mr. Lowry:

Based on the Bureau of Underground Storage Tank Regulation's evaluation of the UST at the above referenced location, the 20,000-Gallon UST is hereby approved for closure-in-place with the following conditions:

- 1. The closure-in-place is to be performed in accordance with API 1604;
- 2. Remove all flammable or combustible liquid from the UST and all connecting lines;
- 3. Remove all sludge from the UST and thoroughly rinse and flush the UST and piping;
- 4. Disconnect the suction, inlet gauge, and vent lines and cap the remaining underground piping;
- 5. Fill the UST completely with an inert, solid material that has a density greater than the density of water:
- 6. Keep a record of UST size, location, date of closure-in-place, and method used for placing the USTs in a safe condition; and
- 7. Conduct a closure assessment as required by Ohio Administrative Code 1301:7-9-12, if applicable.

This letter is not a permit to perform work. Prior to performing the closure-in-place, you must obtain a permit pursuant to paragraph (C) of rule 1301:7-9-10 of the Administrative Code. An application for a permit may be obtained by visiting the BUSTR web site at

http://www.com.ohio.gov/fire/ReleasePreventionInformation.aspx or by contacting the Testing and Registration Bureau at (877) 264-0023. In addition, a certified UST Installer must perform the closure-in-place, and an UST Inspector must be present during the closure-in-place.

If you have any questions, feel free to contact Steven Krichbaum at (614) 752-7938.

Sincerely,

William L. Hills Chief - BUSTR

Division of State Fire Marshal Ohio Department of Commerce

WH:anm

c: File

Mike C. Miller, BUSTR Inspector Drue Roberts, Corrective Actions Coordinator Martha Fullemann, Testing & Registration

Bureau of Underground Storage Tank Regulations 8895 East Main Street Reynoldsburg, OH 43068 U.S.A.

www.com.ohio.gov



July 24, 2012

TOM LOWRY DELTECH POLYMERS CORP. 1250 S UNION ST TROY, OHIO 45373 SITE: DELTECH POLYMERS CORP. 1250 S UNION ST TROY OH MIAMI COUNTY RELEASE #55000232-N00003

RE: CLOSURE ASSESSMENT REPORT NOT RECEIVED

David Goodman, Director

Dear Mr. Lowry:

The Bureau of Underground Storage Tank Regulations (BUSTR) was notified on Complaint Date that the underground storage tank system(s) at this site has been out-of-service for more than 12 months.

You have been identified as the owner or operator of the underground storage tank system(s) at this site and therefore are required to complete a UST Closure Assessment report. The owner and operator are both responsible for filing this report. Your closure assessment was due on October 01, 2003. To date, BUSTR has not received this Closure Assessment report and as a result you are out of compliance with the Ohio Administrative Code section 1301:7-9-12(I), effective July 1, 2012. Please provide this report to BUSTR and/or contact me at (614)728-4588.

Nothing in this letter shall be construed as waiving or compromising in any way the applicability of enforcement of any other statutes or regulations applicable to ownership or operation of the UST facility. In addition, nothing contained herein shall be construed to prevent the State Fire Marshal from exercising its lawful authority to require any responsible parties to perform activities pursuant to Ohio Revised Code §3737 or any other applicable law in the future. The State Fire Marshal reserves all rights and privileges. If an enforcement action is brought, pursuant to Ohio Revised Code §3737.882, the State Fire Marshal is vested with the authority to issue citations and orders, assess civil penalties (of up to \$10,000 per day per violation), or to request the Attorney General to bring a civil action against any responsible party that is found to be in violation with the rules adopted by the State Fire Marshal.

Please note that the closure assessment report must be filed with BUSTR even if a copy of the report has already been sent to the Petroleum Underground Storage Tank Release Compensation Board, the Ohio Environmental Protection Agency, or your local fire department.

Thank you for your cooperation. If you have any questions, please contact me at (614)728-4588.

Sincerely,

Drue Roberts

Environmental Specialist

xc:

Site File

CC List

www.com.ohio.gov

Roberts, Drue

Tim Greetis <tgreetis@kilbaneenv.com> From: Wednesday, March 13, 2013 4:36 PM Sent:

Roberts, Drue To:

Tom Lowry; Tom Kilbane Cc:

Subject: Deltech Polymers Corp., Troy Ohio - UST Closure J21462-1 UDS Level 2 Report Final Report (3).pdf **Attachments:**

Follow up Follow Up Flag: Flag Status: Flagged

Mr. Roberts -

As we agreed, attached is the laboratory analytical data for the verification soil sampling completed at the Deltech Polymer facility in Troy, Ohio. These soil samples were collected from borings within approximately 1-foot of the previous borings and at the same depth as previous borings.

If you have any questions, please call us.

Timothy A. Greetis **Environmental Manager**

KILBANE ENVIRONMENTAL, INC. 11554 Lebanon Road Cincinnati, Ohio 45241 (513) 874-6650, Ext. 208 www.kilbaneenv.com



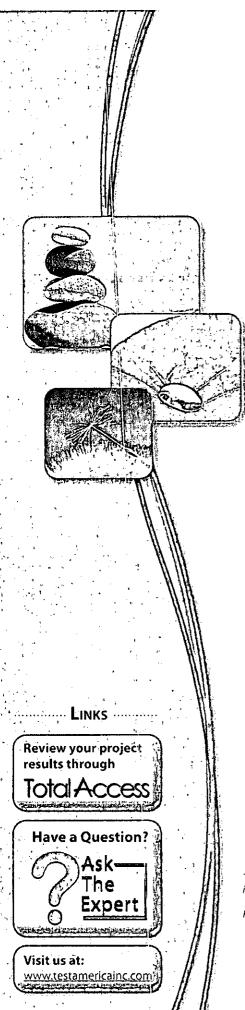
State of Ohio—Department of Commerce
Division of State Fire Marshal—Bureau of Testing & Registration
P.O. Box 529, Reynoldsburg, Ohio 43068
Phone (614) 752-7126 Fax (614) 995-4206
TTY/TDD 800-750-0750 www.com.ohio.gov

FECTO 2 2019

TESTING & REGISTRATION STATE FIRE MARSHAL

BUSTR Installation Field Inspection Report (For Installation, Modification and Major Repair Activity)

Preliminary Final Owner #550002	3) Facility #::5	50002	32 Permit	* 5 A	Permit Date	0/22/19
Owner Operator Same LOW MERS C	0120	Facility	Name OCT	ECH PO	Geners C	OBP .
Address: 1250 S. Onion	16	Addre	s: 1250E	- Ouros	D.F.	
City/State/Zip: July Offo	45373	City/St	ate/Zip. TUC	ey, 014	10 453	73
Tank ID Number (Must match System Information Form if applicable)	# 9	# //	#.	*	#	#
Tank Cavity Number	/	/		: -		
Tank Capacity	30000	3000				
Tank Contents	STRUEUT	STYPENE				·
Installation of UST (Check or Circle all that Apply)	#:- /	#	#	#:	#	#
Pre-installation Test (aboveground)	Pass Fail.	Pass, Fall	Pass Fail	Pass Fail	Pass Fail	Pass Fail
Excavation Inspection	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail
Backfilling the UST to 5 & 7 o'clock position	Pass Fail	Pass Fail	Pass Fail	Pass: Fail	Pass Fail	Pass Fail
Spill Rrevention (Buckets)	Pass Fail	Pass Fail	Pass Fail	Pass Fail .	Pass Fail	Pass Fail
Overfill Prevention	Pass Fail.	Pass Fail	Pass Fail	Pass Fail	Pass: Fail	Pass Fail
In-ground Piping/Ancillary Equipment Test	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass ¹ Fail	Pass Fail
☐ Modification ☐ Major Repair of UST*	#	#	#	#	#	#
Purging Inspection (LEL below 10%)	Yes No	Yeş No	Yes No	Yes No	Yes No	Yes No
Pre-cutting and Entry Inspection (LEL below 10%)	Yes No	Yes: No	Yes No	Yes No	Yes No	'Yes No
☐ Modification ☐ Major Repair of ☐ Piping. ☐ Other Component (describe work in Remarks)*	#.	#	#·	#	#	#:
In-ground Test prior to backfilling	Pass Fail	Pass: Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail
All Inspections - Testing Results	# 9	# //	#	#.	#	#
Tank Top Containment Test (□Not Applicable)	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail
Dispenser Containment Test (□Not Applicable)	Pass, Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail	Pass Fail
Final Tightness Test ⊠Yank (□Not Applicable)	(Pass) Fail	(Pass) Fail	Pass: Fail	Pass Fail	Pass Fail	Pass Fail
Final Tightness Test □ Piping (\$Not Applicable)	Pass Fail	Pass Fall	Pass Fail	Pass Fail	Pass Fail	Pasis Fail
Final Test of Release Detection (LNot Applicable)	. Pass Fail	Pass Fail	Pass Fail	Pass Fall	Pass Fail	Pass Fail
Remarks: Tanko Acad	blen 2	ntard \$	1000	nul By	c leanes	2.
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* A Removal Inspection Field Report must also be co	ompleted if USTs or	r piping are remove	ed.			
Certified Installer Name (printed): \(\int \beta	RAPP	Certifi	ed Inspector Name	(printed)	PARKS	
Certified Installer Signature: Dale Ro	mer		ed Inspector Signat		Lake	.
Certified Installer #: 63 12 8007	Date:///		ed Inspector 69	5771	Date: 11 /9	His. on Site:
Distribution: White - Agency Copy Canary - Owner	Copy Pink - Inspe	ector Copy		•	• • • •	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Canton 4101 Shuffel Street NW North Canton, OH 44720 Tel: (330)497-9396

TestAmerica Job ID: 240-21462-1 Client Project/Site: Kilbane Env. Projects

Kilbane Environmental 9341 Seward Road Cincinnati, Ohio 45014

Attn: Tom Kilbane

Authorized for release by: 3/12/2013 2:46:11 PM

Bein O'Donnell

Brian O'Donnell Customer Service Manager brian.odonnell@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Job ID: 240-21462-1

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Table of Contents

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Definitions/Glossary

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Qualifiers

TEQ

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 240-21462-1



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GC/MS VOA	
Qualifier	Qualifier Description
X	Surrogate is outside control limits
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
0	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Method Summary

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

TestAmerica Job ID: 240-21462-1

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Method	Method Description	Protocol	Laboratory
8260B	Votatile Organic Compounds (GC/MS)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects TestAmerica Job ID: 240-21462-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-21462-1	B1 0-4	Solid	02/26/13 08:25	02/27/13 09:20
240-21462-2	B1 15-16	Solid	02/26/13 08:50	02/27/13 09:20
240-21462-3	B2 8-12	Solid	02/26/13 09:15	02/27/13 09:20
240-21462-4	B3 16-20	Solid	02/26/13 10:05	02/27/13 09:20
240-21462-5	B4 0-4	Solid	02/26/13 10:15	02/27/13 09:20
240-21462-6	B4 12-16	Solid	02/26/13 10:35	02/27/13 09:20



















Detection Summary

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects TestAmerica Job ID: 240-21462-1

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r	<u> </u>

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects						Te	stAm	nerica Job	o ID: 240-21462-1
Client Sample ID: B1 0-4						La	b Sa	ample II	D: 240-21462-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac		ethod	Prep Type
Ethylbenzene	124000		6330		ug/Kg	25	□ 82	260B	Total/NA
Client Sample ID: B1 15-16						La	b Sa	ample II	D: 240-21462-2
Analyte	Result	Qualifler	RL.	MDL	Unit	Dil Fac	_	ethod	Prep Type
Ethylbenzene	307000		12200		ug/Kg	50	₽ 82	260B	Total/NA
Styrene	144000		12200		ug/Kg	50	¤ 82	!60B	Total/NA
Client Sample ID: B2 8-12						La	b Sa	ample II	D: 240-21462-3
Analyte	Result	Qualifler	RL	MDL	Unit	Dil Fac	D M	ethod	Prep Type
Ethylbenzene	264000		12700		ug/Kg	50	¤ 82	260B	Total/NA
Styrene	221000		12700		ug/Kg	50	¤ 82	260B	Total/NA
Toluene —	13000		12700		ug/Kg	50	₽ 82	260B	Total/NA
Client Sample ID: B3 16-20						La	b Sa	ample II	D: 240-21462-4
Analyte	Result	Qualifler	RL	MDL	Unit	Dil Fac	D M	lethod	Ргер Туре
Ethylbenzene	1140000		269000		ug/Kg	1000	<u>≅</u> 82	260B	Total/NA
Styrene	454Q000		269000		ug/Kg	1000	¤ 82	260B	Total/NA
Toluene	347000		269000		ug/Kg	1000	₽ 82	260B	Total/NA
Client Sample ID: B4 0-4						La	b S	ample il	D: 240-21462-5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D M	lethod	Ргер Туре
Ethylbenzene	525000		26600		ug/Kg	100	□ 82	260B	Total/NA
Client Sample ID: B4 12-16						La	b S	ample l	D: 240-21462-6
Analyte	Result	Qualifler	. RL	MDL	Unit	Dil Fac	D M	lethod	Prep Type
Ethylbenzene	50000		8170		ug/Kg	33.333	© 82	260B	Total/NA
Styrene	120000		8170		ug/Kg	33,333	73 0	260B	Total/NA

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B1 0-4

Date Collected: 02/26/13 08:25

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

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Lab Sample ID: 240-21462-1 Matrix: Solid

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Percent Solids: 95.1

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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25300	25300	ug/Kg	<u> </u>	02/28/13 11:04	03/01/13 10:43	25
Benzene	<6330	6330	ug/Kg	Ø	02/28/13 11:04	03/01/13 10:43	25
Dichlorobromomethane	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Bromoform	<6330	6330	ug/Kg	æ	02/28/13 11:04	03/01/13 10:43	25
Bromomethane	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
2-Butanone (MEK)	<25300	25300	ug/Kg	₽	02/28/13 11:04	03/01/13 10:43	25
Carbon disulfide	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
Carbon tetrachloride	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Chlorobenzene	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
Chloroethane	<6330	6330	ug/Kg	Q	02/28/13 11:04	03/01/13 10:43	25
Chloroform	<6330	6330	ug/Kg	Q	02/28/13 11:04	03/01/13 10:43	25
Chloromethane	<6330	6330	ug/Kg	₽	02/28/13 11:04	03/01/13 10:43	25
1,1-Dichloroethane	<6330	6330	ug/Kg	- τ	02/28/13 11:04	03/01/13 10:43	25
1,2-Dichloroethane	<6330	6330	ug/Kg	Φ	02/28/13 11:04	03/01/13 10:43	25
1,1-Dichloroethene	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
1,2-Dichloropropane	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
cis-1,3-Dichloropropene	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
trans-1,3-Dichloropropene	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
, ,	124000	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Ethylbenzene	<25300	25300	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
2-Hexanone	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
Methylene Chloride	<25300	25300	ug/Kg	φ.	02/28/13 11:04	03/01/13 10:43	25
4-Methyl-2-pentanone (MIBK)		6330	ug/Kg ug/Kg	p	02/28/13 11:04	03/01/13 10:43	25
Styrene	<6330	6330		ø	02/28/13 11:04	03/01/13 10:43	25
1,1,2,2-Tetrachtoroethane	<6330		ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Tetrachloroethene	<6330	6330	ug/Kg	•	02/28/13 11:04	03/01/13 10:43	25
Toluene	<6330	6330	ug/Kg	¤			25
Trichloroethene	<6330	6330	ug/Kg	φ 	02/28/13 11:04	03/01/13 10:43	
Vinyl chloride	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	2:
Xylenes, Total	<12700	12700	ug/Kg		02/28/13 11:04	03/01/13 10:43	25
1,1,1-Trichloroethane	<6330	6330	ug/Kg	- 4 13 -	02/28/13 11:04	03/01/13 10:43	25
1,1,2-Trichloroethane	<6330	6330	ug/Kg	☆	02/28/13 11:04	03/01/13 10:43	25
Cyclohexane	<12700	12700	ug/Kg	æ	02/28/13 11:04	03/01/13 10:43	25
1,2-Dibromo-3-Chloropropane	<12700	12700	ug/Kg	<i>t</i> t	02/28/13 11:04	03/01/13 10:43	25
Ethylene Dibromide	<6330	6330	ug/Kg	Ω	02/28/13 11:04	03/01/13 10:43	25
Dichlorodifluoromethane	<6330	6330	ug/Kg	p	02/28/13 11:04	03/01/13 10:43	25
cis-1,2-Dichloroethene	<6330	6330	ug/Kg	Ω	02/28/13 11:04	03/01/13 10:43	25
trans-1,2-Dichloroethene	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Isopropylbenzene	<6330	6330	ug/Kg	0	02/28/13 11:04	03/01/13 10:43	25
Methyl acetate	<12700	12700	ug/Kg		02/28/13 11:04	03/01/13 10:43	25
Methyl tert-buty! ether	<25300	25300	ug/Kg	p	02/28/13 11:04	03/01/13 10:43	25
1,1,2-Trichloro-1,2,2-trifluoroethane	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
1,2,4-Trichlorobenzene	<6330	6330	ug/Kg	¤	02/28/13 11:04	03/01/13 10:43	25
1,2-Dichlorobenzene	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
1,3-Dichlorobenzene	<6330	6330	ug/Kg	Ø	02/28/13 11:04	03/01/13 10:43	25
1,4-Dichlorobenzene	<6330	6330	ug/Kg	Ø	02/28/13 11:04	03/01/13 10:43	25
Trichlorofluoromethane	<6330	6330	ug/Kg	ø	02/28/13 11:04	03/01/13 10:43	25
Chlorodibromomethane	<6330	6330	ug/Kg	ā	02/28/13 11:04	03/01/13 10:43	25
Methylcyclohexane	<12700	12700	ug/Kg	Ø	02/28/13 11:04	03/01/13 10:43	25



Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Client Sample ID: B1 0-4 Lab Sample ID: 240-21462-1 Date Collected: 02/26/13 08:25

Matrix: Solid

Percent Solids: 95.1

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	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	52		39 - 128	02/28/13 11:04	03/01/13 10:43	25
i	4-Bromofluorobenzene (Surr)	35		26 - 141	02/28/13 11:04	03/01/13 10:43	25
	Toluene-d8 (Surr)	56		33 - 134	02/28/13 11:04	03/01/13 10:43	25
	Dibromofluoromethane (Surr)	45		30 - 1 2 2	02/28/13 11:04	03/01/13 10:43	25













Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B1 15-16

Date Collected: 02/26/13 08:50

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

2

Lab Sample ID: 240-21462-2

52-2 (g

Matrix: Solid Percent Solids: 95.0

4

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	DII Fac
Acetone	<48900	48900	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
Benzene	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
Dichlorobromomethane	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Bromoform	<12200	12200	ug/Kg	ä	02/28/13 11:04	03/04/13 15:29	50
Bromomethane	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
2-Butanone (MEK)	<48900	48900	ug/Kg	æ	02/28/13 11:04	03/04/13 15:29	50
Carbon disulfide	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Carbon tetrachloride	<12200	12200	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
Chlorobenzene	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
Chloroethane	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Chloroform	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Chloromethane	<12200	12200	ug/Kg	₽	02/28/13 11:04	03/04/13 15:29	50
1,1-Dichloroethane	<12200	12200	ug/Kg	ø -	02/28/13 11:04	03/04/13 15:29	50
1,2-Dichloroethane	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,1-Dichloroethene	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
1,2-Dichloropropane	<12200	12200	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
cis-1,3-Dichloropropene	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
trans-1,3-Dichloropropene	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Ethylbenzene	307000	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
2-Hexanone	<48900	48900	ug/Kg	₽	02/28/13 11:04	03/04/13 15:29	50
Methylene Chloride	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
4-Methyl-2-pentanone (MIBK)	<48900	48900	ug/Kg	T. O	02/28/13 11:04	03/04/13 15:29	50
Styrene	144000	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,1,2,2-Tetrachloroethane	<12200	12200	ug/Kg	æ	02/28/13 11:04	03/04/13 15:29	50
Tetrachloroethene	<12200	12200	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
Toluene	<12200	12200 '	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Trichloroethene	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Vinyl chloride	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Xylenes, Total	<24500	24500	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,1,1-Trichloroethane	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,1,2-Trichloroethane	<12200	12200	ug/Kg	-	02/28/13 11:04	03/04/13 15:29	50
Cyclohexane	<24500	24500	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,2-Dibromo-3-Chloropropane	<24500	24500	ug/Kg	Ω	02/28/13 11:04	03/04/13 15:29	50
Ethylene Dibromide	<12200	12200	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
Dichlorodifluoromethane	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
cis-1,2-Dichloroethene	<12200	12200	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50
trans-1,2-Dichloroethene	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
Isopropyibenzene	<12200	12200	ug/Kg	i)	02/28/13 11:04	03/04/13 15:29	50
Methyl acetate	<24500	24500	ug/Kg .	Ø	02/28/13 11:04	03/04/13 15:29	50
Methyl tert-butyl ether	<48900	48900	ug/Kg	· · · · · · · · · · · ·	02/28/13 11:04	03/04/13 15:29	50
1,1,2-Trichloro-1,2,2-trifluoroethane	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,2,4-Trichlorobenzene	<12200	12200	ug/Kg	n	02/28/13 11:04	03/04/13 15:29	50
1,2-Dichlorobenzene	<12200	12200	ug/Kg	ø	02/28/13 11:04	03/04/13 15:29	50
1,3-Dichlorobenzene	<12200	12200	ug/Kg	a	02/28/13 11:04	03/04/13 15:29	50
1,4-Dichlorobenzene	<12200	12200	ug/Kg	¤	02/28/13 11:04	03/04/13 15:29	50
Trichlorofluoromethane	<12200	12200	ug/Kg	۵	02/28/13 11:04	03/04/13 15:29	50
Chlorodibromomethane	<12200	12200	ug/Kg	æ	02/28/13 11:04	03/04/13 15:29	50
Methylcyclohexane	<24500	24500	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:29	50

TestAmerica Canton

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B1 15-16

Date Collected: 02/26/13 08:50

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-2

Matrix: Solid Percent Solids: 95.0

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1	Surrogate	%Recovery	/ Qualifier	Limits '	Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	C	ō X	39 - 128	02/28/13 11:04	03/04/13 15:29	50
-	4-Bromofluorobenzene (Surr)	С	0 X	26 - 141	02/28/13 11:04	03/04/13 15:29	50
	Toluene-d8 (Surr)	с	o ×	33 - 134	02/28/13 11:04	03/04/13 15:29	50
1	Dibromofluoromethane (Surr)	с	0 X	30 - 122	02/28/13 11:04	03/04/13 15:29	50









Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B2 8-12

Date Collected: 02/26/13 09:15

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-3

Percent Solids: 95.4

Matrix: Solid

8

Method: 8260B - Volatile Organic C Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
Acetone	<51000	51000	ug/Kg	ā	02/28/13 11:04	03/01/13 11:25	5
Benzene	<12700	12 7 00	ug/Kg	Ø	02/28/13 11:04	03/01/13 11:25	5
Dichlorobromomethane	<12700	12700	ug/Kg	æ	02/28/13 11:04	03/01/13 11:25	5
Bromoform	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Bromomethane	<12700	12700	ug/Kg	Ö	02/28/13 11:04	03/01/13 11:25	5
2-Butanone (MEK)	<51000	51000	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Carbon disulfide	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	5
Carbon tetrachloride	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Chlorobenzene	<12700	12700	ug/Kg	Đ	02/28/13 11:04	03/01/13 11:25	5
Chloroethane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Chloroform	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Chloromethane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
1,1-Dichloroethane	<12700	12700	ug/Kg	Ω	02/28/13 11:04	03/01/13 11:25	5
1,2-Dichloroethane	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	5
1,1-Dichloroethene	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	5
1,2-Dichloropropane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
cis-1,3-Dichloropropene	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	5
trans-1,3-Dichloropropene	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Ethylbenzene	264000	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
2-Hexanone	<51000	51000	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Methylene Chloride	<12700	- 12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
4-Methyl-2-pentanone (MIBK)	<51000	51000	ug/Kg	ig:	02/28/13 11:04	03/01/13 11:25	5
Styrene	221000	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
1,1,2,2-Tetrachloroethane	<12700	12700	ug/Kg	a	02/28/13 11:04	03/01/13 11:25	5
Tetrachloroethene	<12700	12700	បg/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Toluene	13000	12700	ug/Kg	a	02/28/13 11:04	03/01/13 11:25	5
Trichloroethene	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	
Vinyl chloride	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	£
Xylenes, Total	<25500	25500	ug/Kg	₽	02/28/13 11:04	03/01/13 11:25	5
1,1,1-Trichloroethane	<12700	12700	ug/Kg	₿	02/28/13 11:04	03/01/13 11:25	5
1,1,2-Trichloroethane	<12700	12700	ug/Kg	, o	02/28/13 11:04	03/01/13 11:25	
Cyclohexane	<25500	25500	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
1,2-Dibromo-3-Chloropropane	<25500	25500	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Ethylene Dibromide	<12700	12700	ug/Kg	₿	02/28/13 11:04	03/01/13 11:25	5
Dichlorodifluoromethane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
cis-1,2-Dichloroethene	<12700	12700	ug/Kg	o	02/28/13 11:04	03/01/13 11:25	5
trans-1,2-Dichloroethene	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
Isopropylbenzene	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	5
Methyl acetate	<25500	25500	ug/Kg	a	02/28/13 11:04	03/01/13 11:25	5
Methyl tert-butyl ether	<51000	51000	ug/Kg	, in	02/28/13 11:04	03/01/13 11:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	5
1,2,4-Trichlorobenzene	<12700	12700	ug/Kg	Φ	02/28/13 11:04	03/01/13 11:25	
1,2-Dichlorobenzene	<12700	12700	ug/Kg	¢	02/28/13 11:04	03/01/13 11:25	
1,3-Dichlorobenzene	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	į
1,4-Dichlorobenzene	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	;
Trichlorofluoromethane	<12700	12700	ug/Kg	¤	02/28/13 11:04	03/01/13 11:25	!
Chlorodibromomethane	<12700	12700	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	
Methylcyclohexane	<25500	25500	ug/Kg	ø	02/28/13 11:04	03/01/13 11:25	

TestAmerica Canton

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects TestAmerica Job ID: 240-21462-1

Client Sample ID: B2 8-12 Date Collected: 02/26/13 09:15

Lab Sample ID: 240-21462-3

Date Received: 02/27/13 09:20

Matrix: Solid Percent Solids: 95.4

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1	1,2-Dichloroethane-d4 (Surr)	0	X	39 - 128	02/28/13 11:04	03/01/13 11:25	50
ļ	4-Bromofluorobenzene (Surr)	0	X	26 - 141	02/28/13 11:04	03/01/13 11:25	50
	Toluene-d8 (Suπ)	0	X	33 _ 134	02/28/13 11:04	03/01/13 11:25	50
	Dibromofluoromethane (Surr)	0	X	30 - 122	02/28/13 11:04	03/01/13 11:25	50

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B3 16-20

Date Collected: 02/26/13 10:05

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-4

Matrix: Solid Percent Solids: 91.3

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Analyte Result Qualifier RL MDL Unit D Prepared Actorne	Analyzed [
Serzene <269000 289000 ug/kg 0 02/28/13 11 Simmorethane <269000 269000 ug/kg 0 02/28/13 11 Sim	4 03/01/13 11:46
	4 03/01/13 11:46
Semonform	
December Commonte	
Butanone (MEK)	
Analysis	
Anabon tetrachloride <269000 299000 ug/Kg 0 02728/13 11 Chloroelhane <269000 269000 ug/Kg 0 02728/13 11 Chloroelhane <269000 269000 ug/Kg 0 02728/13 11 Chloroelhane <269000 269000 ug/Kg 0 02728/13 11 Chloromethane <269000 269000 ug/Kg 0 02728/13 11 Chloroelhane <269000 269000 ug/Kg 0 02728/13 11 Chloropropane 269000 269000 ug/Kg 0 02728/13 11 Chlorobethane 269000 269000 ug/Kg 0 02728/13 11 Chlorobethane 269000 269000 ug/Kg 0	
Abbrille	
Abelity Abel	
Activation Act	
Company Comp	
1.1. Dichloroethane 269000 269000 269000 269000 26903 202/28/13 11 2.2.	
2-Dichloroethane 269000 269000 ug/Kg 0 02/28/13 11: 2-Dichloroptopane 269000 269000 ug/Kg 0 02/28/13 11: 2-Dichloroptopane 269000 269000 ug/Kg 0 02/28/13 11: 3-1,3-Dichloroptopane 269000 269000 ug/Kg 0 02/28/13 11: 3-1,4-Dichloroptopane 269000 269000 ug/Kg 0 02/28/13 11: 3-1,4-Dichloroptopane 269000 1080000 ug/Kg 0 02/28/13 11: 3-Dichloroptopane 269000 269000 ug/Kg 0 02/28/13 11: 3-Dichlor	
259000	
2589000 269000	
thylbenzene 1140000 269000 ug/Kg 2 02/28/13 11. Hethylene Chloride <690000 1080000 ug/Kg 2 02/28/13 11. Hethylene Chloride <690000 269000 ug/Kg 2 02/28/13 11. Hethylene Chloride <690000 1080000 ug/Kg 2 02/28/13 11. Hethylene Chloride <690000 1080000 ug/Kg 2 02/28/13 11. Hethylene A\$40000 1080000 ug/Kg 2 02/28/13 11. Hyrene 4\$40000 269000 ug/Kg 2 02/28/13 11. Li,2,2-Tertarchloroethane <690000 269000 ug/Kg 2 02/28/13 11. Hethylene 347000 269000 ug/Kg 2 02/28/13 11. Hethylene 347000 269000 ug/Kg 2 02/28/13 11. Hylene 6460000 269000 ug/Kg 2 02/28/13 11. Hylene 750000 269000 ug/Kg 2 02/28/13 11. Hylene 1040000 269000 ug/Kg 2 02/28/13 11. Hylene 10400000 269000 ug/Kg 2 02/28/13 11. Hylene 10400000 269000 ug/Kg 2 02/28/13 11. Hylene 10400000000 269000 ug/Kg 2 02/28/13 11. Hylene 10400000000000000000000000000000000000	
Handbook	03/01/13 11:46
Sets	4 03/01/13 11:46
Abdullation	03/01/13 11:46
	03/01/13 11:46
1,1,2,2,Trichloroethane 269000 26	03/01/13 11:46
1,2,2-Tetrachloroethane <269000 269000 ug/Kg	03/01/13 11:46
100 100	03/01/13 11:46
Street	04 03/01/13 11:46
richloroethene	04 03/01/13 11:46
1	04 03/01/13 11:46
ylenes, Total	04 03/01/13 11:46
.1,1-Trichloroethane	04 03/01/13 11:46
1,2-Trichloroethane <269000 269000 ug/Kg 2 02/28/13 11	
Syclohexane <538000 538000 ug/Kg 2 02/28/13 11	
,2-Dibromo-3-Chloropropane <538000 538000 ug/Kg © 02/28/13 11: thylene Dibromide <269000 269000 ug/Kg © 02/28/13 11: pichlorodifluoromethane <269000 269000 ug/Kg © 02/28/13 11: is-1,2-Dichloroethene <269000 269000 ug/Kg © 02/28/13 11: ans-1,2-Dichloroethene <269000 269000 ug/Kg © 02/28/13 11: sopropylbenzene <269000 269000 ug/Kg © 02/28/13 11: sopropylbenzene <269000 269000 ug/Kg © 02/28/13 11: sopropylbenzene <269000 538000 ug/Kg © 02/28/13 11: tethyl acetate <538000 538000 ug/Kg © 02/28/13 11: tethyl tert-butyl ether <1080000 1080000 ug/Kg © 02/28/13 11: 1,1,2-Trichloro-1,2,2-trifluoroethane <269000 269000 ug/Kg © 02/28/13 11: 1,2,2-Trichlorobenzene <269000 269000 ug/Kg © 02/28/13 11: 1,2,2-Trichlorobenzene <269000 269000 ug/Kg © 02/28/13 11: 1,2,2-Dichlorobenzene <269000 269000 ug/Kg © 02/28/13 11: 1,3-Dichlorobenzene <269000 ug/Kg © 02/28/13 11: 1,3-Dich	
thylene Dibromide	
Sichlorodifluoromethane <269000 2	
is-1,2-Dichloroethene	
ans-1,2-Dichloroethene <269000 269000 ug/Kg © 02/28/13 11 popropylbenzene <269000 269000 ug/Kg © 02/28/13 11 lethyl acetate <538000 538000 ug/Kg © 02/28/13 11 lethyl tert-butyl ether <1080000 1080000 ug/Kg © 02/28/13 11 lethyl tert-butyl ether <1080000 1080000 ug/Kg © 02/28/13 11 j.1,2-Trichloro-1,2,2-trifluoroethane <269000 269000 ug/Kg © 02/28/13 11 j.2,2-Trichlorobenzene <269000 269000 ug/Kg © 02/28/13 11 j.2-Dichlorobenzene <269000 269000 ug/Kg © 02/28/13 11 j.3-Dichlorobenzene <269000 269000 ug/Kg © 02/28/13 11 j.3-Dichlorobenzene <269000 269000 ug/Kg © 02/28/13 11	
269000 269000 ug/Kg 202/28/13 11	
Methyl acetate <538000 538000 ug/Kg © 02/28/13 11 Methyl tert-butyl ether <1080000	
lethyl tert-butyl ether <1080000	
1,2-Trichloro-1,2,2-trifluoroethane <269000	
2,4-Trichlorobenzene <269000	
2-Dichlorobenzene <269000 269000 ug/Kg ^p 02/28/13 11 3-Dichlorobenzene <269000 269000 ug/Kg ^p 02/28/13 11	
3-Dichlorobenzene <269000 269000 ug/Kg [©] 02/28/13 11	03/01/13 11:46
	04 03/01/13 11:46
4-Dichlorobenzene <269000 269000 ua/Ka [©] 02/28/13 11	03/01/13 11:46
	04 03/01/13 11:46
richlorofluoromethane <269000 269000 ug/Kg ^p 02/28/13 11	04 03/01/13 11:46
hlorodibromomethane <269000 269000 ug/Kg [©] 02/28/13 11	04 03/01/13 11:46

TestAmerica Canton

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B3 16-20

Date Collected: 02/26/13 10:05

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-4

Matrix: Solid Percent Solids: 91.3

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		X	39 - 128	02/28/13 11:04	03/01/13 11:46	1000
4-Bromofluorobenzene (Surr)	0	X	26 - 141	02/28/13 11:04	03/01/13 11:46	1000
Toluene-d8 (Surr)	0	X	33 - 134	02/28/13 11:04	03/01/13 11:46	1000
Dibromofluoromethane (Surr)	o	X	30 - 122	02/28/13 11:04	03/01/13 11:46	1000

















Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B4 0-4

Date Collected: 02/26/13 10:15

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-5

Matrix: Solid

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Method: 8260B - Volatile Organic (Analyte	Compounds (G Result C		MDL Unit	D	Prepared	Analyzed	DIII
Acetone	<106000	106000	ug/Kg	\$	02/28/13 11:04	03/01/13 12:08	
Benzene	<26600	26600	ug/Kg	¤	02/28/13 11:04	03/01/13 12:08	•
Dichlorobromomethane	<26600	26600	ug/Kg	¤	02/28/13 11:04	03/01/13 12:08	
Bromoform	<26600	26600	ug/Kg	ä.	02/28/13 11:04	03/01/13 12:08	
Bromomethane	<26600	26600	ug/Kg	¤	02/28/13 11:04	03/01/13 12:08	
2-Butanone (MEK)	<106000	106000	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
Carbon disulfide	<26600	26600	ug/Kg	ū	02/28/13 11:04	03/01/13 12:08	
Carbon tetrachloride	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
Chlorobenzene	<26600	26600	ug/Kg	œ	02/28/13 11:04	03/01/13 12:08	
Chloroethane	<26600	26600	ug/Kg	a	02/28/13 11:04	03/01/13 12:08	
Chloroform	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
Chloromethane	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
	<26600	26600	ug/Kg	α	02/28/13 11:04	03/01/13 12:08	
,1-Dichloroethane ,2-Dichloroethane	<26600 <26600	26600	ug/Kg ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
,2-Dichloroethane ,1-Dichloroethene	<26600 <26600	26600	ug/Kg	Φ.	02/28/13 11:04	03/01/13 12:08	
,	<26600 <26600	26600	ug/Kg ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
2-Dichloropropane					02/28/13 11:04	03/01/13 12:08	
s-1,3-Dichloropropene	<26600	26600	ug/Kg	ø			
ans-1,3-Dichloropropene	<26600	26600	ug/Kg	D.	02/28/13 11:04	03/01/13 12:08	
thylbenzene	525000	26600	ug/Kg	Þ	02/28/13 11:04	03/01/13 12:08	
Hexanone	<106000	106000	ug/Kg		02/28/13 11:04	03/01/13 12:08	
lethylene Chloride	<26600	26600	ug/Kg		02/28/13 11:04	03/01/13 12:08	
-Methyl-2-pentanone (MIBK)	<106000	106000	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
tyrene	<26600	26600	ug/Kg	Ø	02/28/13 11:04	03/01/13 12:08	
,1,2,2-Tetrachloroethane	<26600	26600	ug/Kg	Ø	02/28/13 11:04	03/01/13 12:08	
etrachtoroethene	<26600	26600	ug/Kg	¢	02/28/13 11:04	03/01/13 12:08	
oluene	<26600	26600	ug/Kg	¤	02/28/13 11:04	03/01/13 12:08	
richloroethene	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
înyl chloride	<26600	26600	ug/Kg	ä	02/28/13 11:04	03/01/13 12:08	
ylenes, Total	<53100	53100	ug/Kg	₩	02/28/13 11:04	03/01/13 12:08	
1,1-Trichloroethane	<26600	26600	ug/Kg	Ø	02/28/13 11:04	03/01/13 12:08	
1,2-Trichloroethane	<26600	26600	ug/Kg	ġ.	02/28/13 11:04	03/01/13 12:08	
yclohexane	<53100	53100	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
2-Dibromo-3-Chloropropane	<53100	53100	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
thylene Dibromide	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
ichlorodifluoromethane	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
s-1,2-Dichloroethene	<26600	26600	ug/Kg	₽	02/28/13 11:04	03/01/13 12:08	
ans-1,2-Dichloroethene	<26600	` 26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
opropylbenzene	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
lethyl acetate	<53100	53100	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
ethyl tert-butyl ether	<106000	106000	ug/Kg	ď	02/28/13 11:04	03/01/13 12:08	
1,2-Trichloro-1,2,2-trifluoroethane	<26600	26600	ug/Kg	Ø	02/28/13 11:04	03/01/13 12:08	
2,4-Trichlorobenzene	<26600	26600	ug/Kg	₽	02/28/13 11:04	03/01/13 12:08	
2-Dichlorobenzene	<26600	26600	ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
,3-Dichlorobenzene	<26600	26600	ug/Kg	¤	02/28/13 11:04	03/01/13 12:08	
.4-Dichlorobenzene	<26600	26600	ug/Kg ug/Kg	ø	02/28/13 11:04	03/01/13 12:08	
	<26600	26600		¤			
richlorofluoromethane			ug/Kg		02/28/13 11:04	03/01/13 12:08	
hlorodibromomethane fethylcyclohexane	<26600 <53100	2 6 600 53100	ug/Kg	ø	02/28/13 11:04 02/28/13 11:04	03/01/13 12:08 03/01/13 12:08	

Client: Kilbane Environmental Project/Site: Kilbane Env. Projects TestAmerica Job ID: 240-21462-1

Client Sample ID: B4 0-4 Date Collected: 02/26/13 10:15 Lab Sample ID: 240-21462-5

Date Received: 02/27/13 09:20

Matrix: Solid Percent Solids: 89.4

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	Surrogate %Rec	covery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1	1,2-Dichloroethane-d4 (Surr)	0	X	39 - 128	02/28/13 11:04	03/01/13 12:08	100
	4-Bromofluorobenzene (Surr)	0	X	26 - 141	02/28/13 11:04	03/01/13 12:08	100
-	Toluene-d8 (Surr)	0	X	33 - 134	02/28/13 11:04	03/01/13 12:08	100
1	Dibromofluoromethane (Surr)	0	X	30 - 122	02/28/13 11:04	03/01/13 12:08	100



Client: Kilbane Environmental Project/Site: Kilbane Env. Projects

Client Sample ID: B4 12-16

Date Collected: 02/26/13 10:35

Date Received: 02/27/13 09:20

TestAmerica Job ID: 240-21462-1

Lab Sample ID: 240-21462-6

Matrix: Solid

Percent Solids: 95.7

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Method: 8260B - Volatile Organic Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<32700	32700	ug/Kg	<u> </u>	02/28/13 11:04	03/04/13 15:08	33.333
Benzene	<8170	8170	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:08	33,333
Dichlorobromomethane	<8170	8170	ug/Kg		02/28/13 11:04	03/04/13 15:08	33.333
Bromoform	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
Bromomethane	<8170	8170	ug/Kg	Φ	02/28/13 11:04	03/04/13 15:08	33.333
2-Butanone (MEK)	<32700	32700	ug/Kg	۵	02/28/13 11:04	03/04/13 15:08	33.333
Carbon disulfide	<8170	8170	ug/Kg	₽	02/28/13 11:04	03/04/13 15:08	33. 3 33
Carbon tetrachloride	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33,333
Chlorobenzene	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Chloroethane	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Chloroform	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Chloromethane	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
1,1-Dichloroethane	<8170	8170	ug/Kg	ø.	02/28/13 11:04	03/04/13 15:08	33,333
1,2-Dichloroethane	<8170	8170	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:08	33.333
1,1-Dichloroethene	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
1,2-Dichloropropane	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
cis-1,3-Dichloropropene	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
trans-1,3-Dichloropropene	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Ethylbenzene	50000	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33,333
2-Hexanone	<32700	32700	ug/Kg	Ð	02/28/13 11:04	03/04/13 15:08	33.333
Methylene Chloride	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33,333
4-Methyl-2-pentanone (MIBK)	<32700	32700	ug/Kg	· ø	02/28/13 11:04	03/04/13 15:08	33,333
Styrene	120000	8170	ug/Kg	Þ	02/28/13 11:04	03/04/13 15:08	33.333
1,1,2,2-Tetrachloroethane	<8170	8170	ug/Kg	D	02/28/13 11:04	03/04/13 15:08	33.333
Tetrachloroethene	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
Toluene	<8170	8170	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:08	33.333
Trichloroethene	<8170	8170	ug/Kg	Ø	02/28/13 11:04	03/04/13 15:08	33.333
Vinyl chloride	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
Xylenes, Total	<16300	16300	ug/Kg	Q	02/28/13 11:04	03/04/13 15:08	33.333
1,1,1-Trichloroethane	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
1,1,2-Trichloroethane	<8170	8170	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
Cyclohexane	<16300	16300	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
1,2-Dibromo-3-Chloropropane	<16300	16300	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Ethylene Dibromide	<8170	8170		Ø	02/28/13 11:04	03/04/13 15:08	33.333
Dichlorodifluoromethane	<8170 <8170	8170	ug/Kg ug/Kg	o o	02/28/13 11:04	03/04/13 15:08	33.333
cis-1,2-Dichioroethene	<8170 <8170	8170		ä	02/28/13 11:04	03/04/13 15:08	
trans-1.2-Dichloroethene	<8170 <8170	8170	ug/Kg	¤			33.333
•			ug/Kg	Ö	02/28/13 11:04	03/04/13 15:08	33.333
Isopropyibenzene	<8170	8170	ug/Kg	Ö	02/28/13 11:04	03/04/13 15:08	33.333
Methyl acetate	<16300	16300	ug/Kg		02/28/13 11:04	03/04/13 15:08	33.333
Methyl tert-butyl ether	<32700	32700	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333
1,1,2-Trichloro-1,2,2-trifluoroethane	<8170	8170 8470	ug/Kg	r.	02/28/13 11:04	03/04/13 15:08	33.333
1,2,4-Trichlorobenzene	<8170	8170	ug/Kg	ä	02/28/13 11:04	03/04/13 15:08	33.333
1,2-Dichlorobenzene	<8170	8170	ug/Kg	Ö	02/28/13 11:04	03/04/13 15:08	33.333
1,3-Dichlorobenzene	<8170	8170	ug/Kg	0	02/28/13 11:04	03/04/13 15:08	33.33
1,4-Dichlorobenzene	<8170 -	8170	ug/Kg	Q	02/28/13 11:04	03/04/13 15:08	33,333
Trichlorofluoromethane	<8170	8170	ug/Kg	ø	02/28/13 11:04	03/04/13 15:08	33.333
Chlorodibromomethane	<8170	8170	ug/Kg	₽	02/28/13 11:04	03/04/13 15:08	33.333
Methylcyclohexane	<16300	16300	ug/Kg	¤	02/28/13 11:04	03/04/13 15:08	33.333

TestAmerica Canton

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TestAmerica Canton Sample Receipt Form/Narrative	Login # : 21462
Client Kilbane Environmental Site Name	By: Week St. Deen
Cooler Received on Opened on Opened on FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica CourtestAmerica Cooler Foam Box Client Cooler Box Other Packing material used: Rubble Wrap Foam Plastic Bag None Other COOLANT: Wet Lee Blue Ice Dry Ice Water None	(Signature) urier Othererer
1. Cooler temperature upon receipt IR GUN# 1 (CF -2 °C) Observed Sample Temp. °C Corrected Sam IR GUN# 4G (CF 0 °C) Observed Sample Temp. °C Corrected Sam IR GUN# 5G (CF 0 °C) Observed Sample Temp. °C Corrected Sam IR GUN# 8 (CF 0 °C) Observed Sample Temp. °C Corrected Sam 2. Were custody seals on the outside of the cooler(s)? If Yes Quantity -Were custody seals on the bottle(s)?	nple Temp°C on Back nple Temp°C
 3. Shippers' packing slip attached to the cooler(s)? 4. Did custody papers accompany the sample(s)? 5. Were the custody papers relinquished & signed in the appropriate place? 	Yes No Yes No
6. Did all bottles arrive in good condition (Unbroken)?	Yes No
 7. Could all bottle labels be reconciled with the COC? 8. Were correct bottle(s) used for the test(s) indicated? 9. Sufficient quantity received to perform indicated analyses? 10. Were sample(s) at the correct pH upon receipt? 11. Were VOAs on the COC? 12. Were air bubbles >6 mm in any VOA vials? 13. Was a trip blank present in the cooler(s)? 	Yes No
Contacted PM	erbal Voice Mail Other
15. SAMPLE CONDITION	
Sample(s) were received after the recommende	led holding time had expired.
	received in a broken container.
	>6 mm in diameter. (Notify PM)

SOP: NC-SC-0003, Sample Receiving C:\Users\tivengaodc\AppDuta\Local\Microsoft\Vindows\Temporary Internet Files\OLKD16\COOLER_TestAmerica_Rev 88_110712 rts.doc



Ohio Department of Commerce

<u>Division of State Fire Marshal</u> Bureau of Underground Storage Tank Regulations

8895 East Main Street
Reynoldsburg, OH 43068
(614) 752-7938 FAX (614) 752-7942
www.com.state.oh.us

Release No. 55000232-N3

This file is being to be imaged for the following reason:

-

Print Name

Signature

Date





Ohio Department of Commerce

George V. Voinovich, Governor

Division of State Fire Marshai • Bureau of Underground Storage Tank Regulations 8895 E. Main St., P.O. Box 687 • Reynoldsburg, OH 43068-0857 (614) 752-7938 • FAX (614) 752-7942

Donna Owens, Director

GGT IV 1994

Mr. Stephen T. Small Deltech Polymers Corporation 1250 South Union Street Troy. OH 45373 RE: Deltech Polymers Corp.

1250 South Union Street

Troy, Ohio Miami County

incident #5530368-00

Dear Mr. Small.

The Pureau of Underground Storage Tank Regulations (BUSTR) has reviewed your letter dated September 1, 1994. You requested a determination if BUSTR regulated two 500 gallon underground storage tanks (USTs) containing "Therminol".

Therminol is a polychlorinated biphenyls (PCBs) with a Chemical Abstract Service (CAS) number of CAS 1336-35-3. The BUSTR does not regulate USTs containing PCBs.

The Ohio EPA should be contacted concerning any activities with these tanks.

Thank you, if you have any questions please call me at (614) 752-7938.

Sincerely,

Thomas Bell Environmental Specialist

TB:ag

cc: File #5530368-00

Ohio EPA, Southwest District Office Chief Robert Counts, Troy Fire Dept.

Mr. Lowell H. Domigan, Miami County Health Dept.

92		NCURRENCES	MAILED
INITIAL	312.		ab
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EXISTING INCIDENT #: [25,30,3,6,6] . 0,0	FACILITY NAME: Delical Company (Update on back) 11) RESCU. FOR LISTING LIBORT 11) Written report/results received from comer/operator. 12) Written report received from comer/operator. 13) Written report received from comer/operator. 14) Written report received from comer/operator. 15) Written report received from comer/operator. 16) Written report received from comer/operator. 16) Written report received from comer/operator. 16) Written report received from comer/operator. 17) Written report received from comer/operator. 18) Written report received from comer/operator. 18) Written report received from received from comer/operator. 19) Written report received cost received from comer/operator. 10) Written received received from the from the from the from the from the fro	-	SITE LISTING UPDATE FORM
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PROGRAM



DELTECH POLYMERS CORPORATION

September 1 leds

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Attn Bes

RE. Healther of Windlestandon in the local

Delieth belowers to report ion purchased the Troy. Ohio.
Polystyrene Plant at Sheriff's sale in March. 1991. This site had been operated by the new defunct Goodson Polymers. It has some to our at entire that two Son gallon underground Therminoi storage tanks were emptied, cleaned, filled with concrete and process pipping removed by Goodson Polymers in 1988. However, a formal closure procedure was never accomplished.

Deltech Polymers Corporation wishes to formally close these tanks. Because these tanks are located underneath existing operation equipment, removal or dividing for samples cannot be accomplished. See the attached Figure 1 (Process Area Flot Plan) to see location of tanks in relationship to operational equipment. We wish to close the tanks in place. Because the tanks are small and only have a two-inch nozzle connection, entry into the tanks is impossible.

As an a ternate to the standard closure procedure, we propose using the onsit monitoring wells shown on altached Figure 2 (Flant Plot Pl.) with Monitoring Well Locations) to monitor for contamination and need for corrective action.

Please review this proposal and respond to its acceptability;

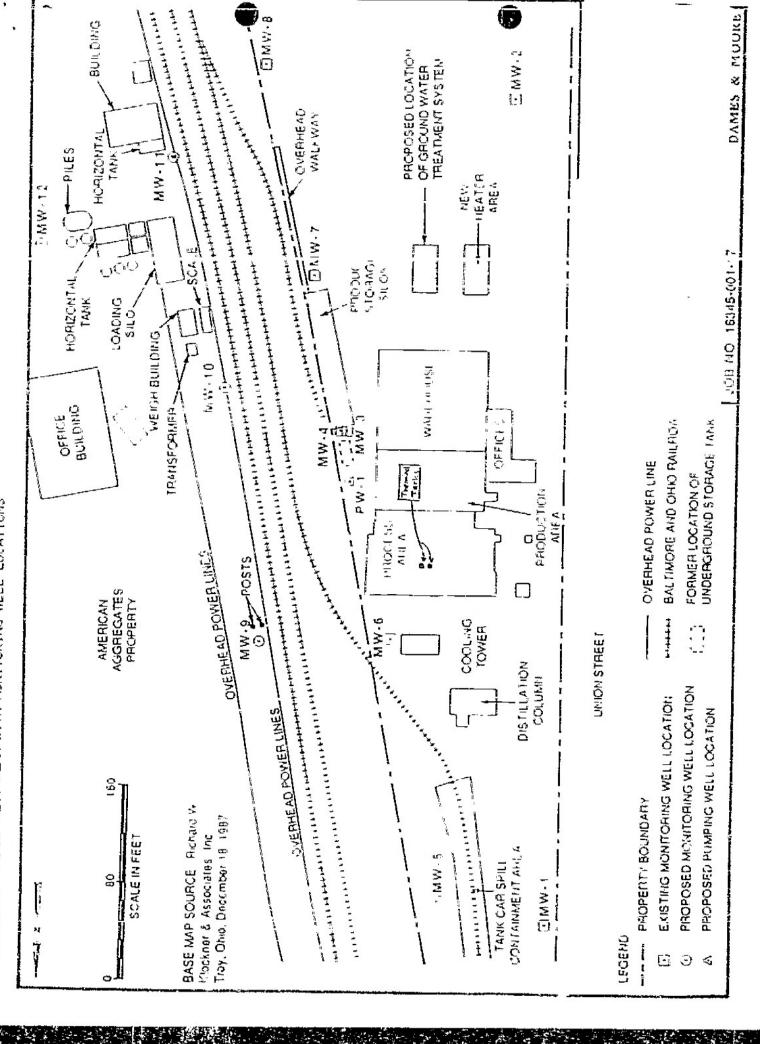
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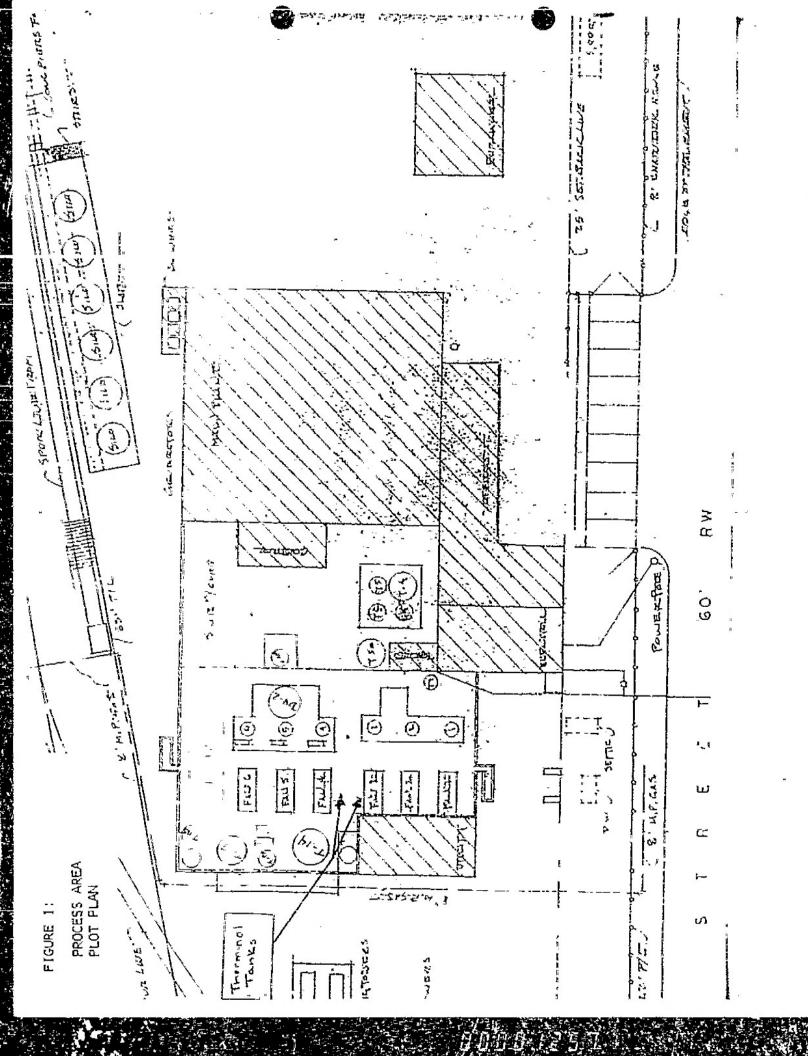
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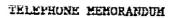
Stephen T. Small Plan Manager

Inclosures

FIGURE 2: PLANT PLOT PLAN WITH MONITORING WELL LUCATIONS





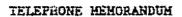


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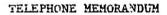
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M. Harris wishes to be kept up todate on this site of
any actions Buth takes with the site.
BUSTR STAFF MEMBER: CH CONTINUED ON BACK: PAGES ATTACHED



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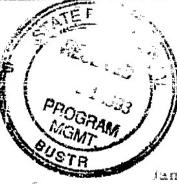
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1 12/27 The FD responds to a Fee Jespiesen at the
The FD responded to a Fire Jexplesson at the
te. The perfect Theominal was spilled in the surface . This
- 1 t desident on tills.
1) In Jun of Tel 1938 Site Houstnest work may
have been defined at this ste . M. W. a may have been institled.
3) The esten were the UST's one sturted as cut a the
(i) : es. The William Standard below The reactions. The react
are in the seal
4) Themmed and is used as what transfer all in the
realface
BUSTR STAFF MEMBER: CONTINUED ON BACK: PAGES ATTACHED



REPORT #: 151513101316181.1 1.1 DATE: 215193
NAME: Stephen Small TITLE: Plent Mayor PHONE (513) 339-31-50 AGENCY/COMPANY. Deltech Polymens Corp. RELATION TO SITE 90 ADDRESS: 1250 S. Wiley - E CITT: Troy 57.5/1 ZIF. 45375 SUBJECT: Alternate Closure Procedure
NOTES & SUMMARY I asked Mr Savall if he could supply our offic with MS.DS. sheet's for the two usis in questions.
- He stated that they could not find a sottoin copies of the MSDS sheets.
I asked Mr Small if he could supply our office with information about the UST's in question (how they were utilized & sperated).
he had no blue prints or any other way to prove this Fact.
I then asked Mr Soll it drilling through the concrete to chan samples would be a problem.
- He stated that it would be a problem because of all the machinerry in the smilding.
PHOTE STATE MENER. (AT. CONTINUED ON BACK: PAGES ATTACHED

A DELTECH POLYMERS
CORPORATION



Stutis 112 Dur 2-3-93

1250 SOUTH UNION STREET TROY, OHIO 45373 (513) 317-3150 FAX (513) 337-7694

January 28, 1993

-... - ... -

ту — недзерт променато с просед доста били с на води водить об ССТЕ

The service of the service of the four distribution of the service of the service

process and make the control of these tends.

The control of the control of the complete tends of the control of

The TYLL ACTION to the standard closure procedure, we propose using the TYLL Action through we is shown on Attached Figure 2 (Plant Fint Figure 1) with respect to well locations) to monitor for contamination and more than the property action. Listed below is the property than the property of the prope

A grane engle grant

- I Ale Hammable and organic material has been removed and tanks atempot.
- 2.1 process suces and equipment have been removed.
- the least
- I hap topoleg from the tanks.
- 5. Programment togation and clusure procedure and maintain these violuments on file.
- Annually sample and analyze monitoring wells for contamination.

5530368

Please recent this proposal and respond to its acceptability. We plan be setion until you provide us your input.

Stephen Small Plant Menager

· · iro; lire Deut.

stin: buck lumerman

is fast mace trus. Oh 45373

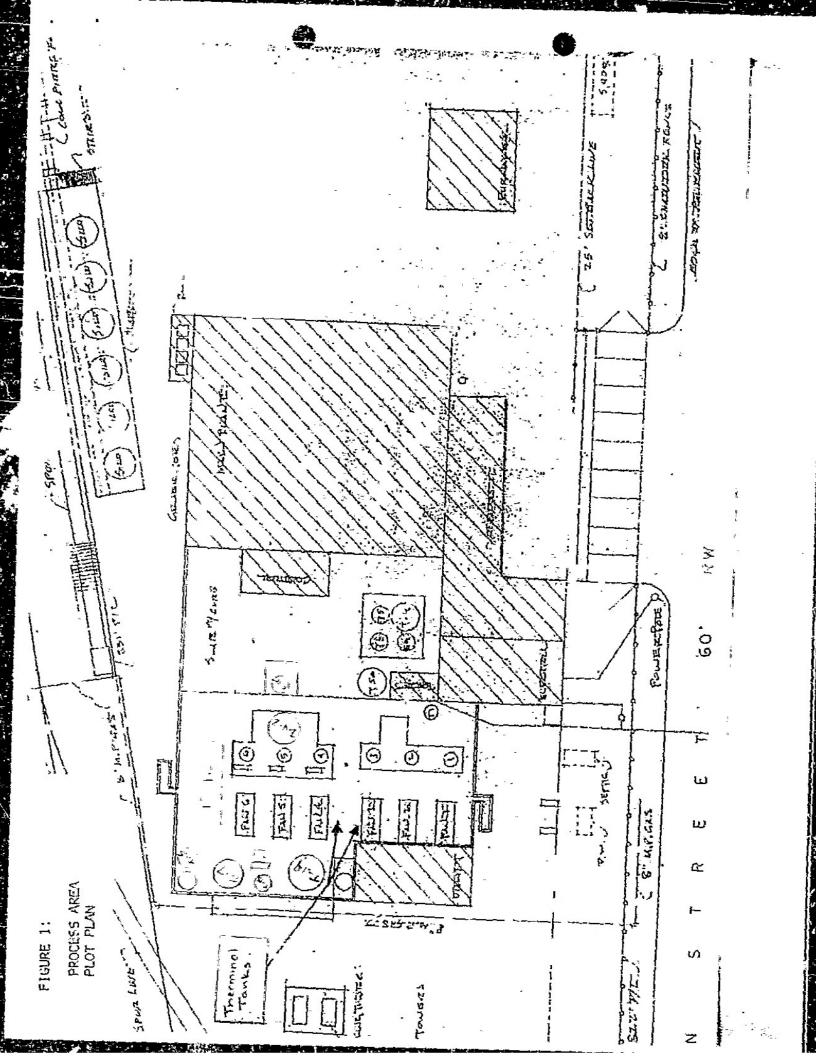
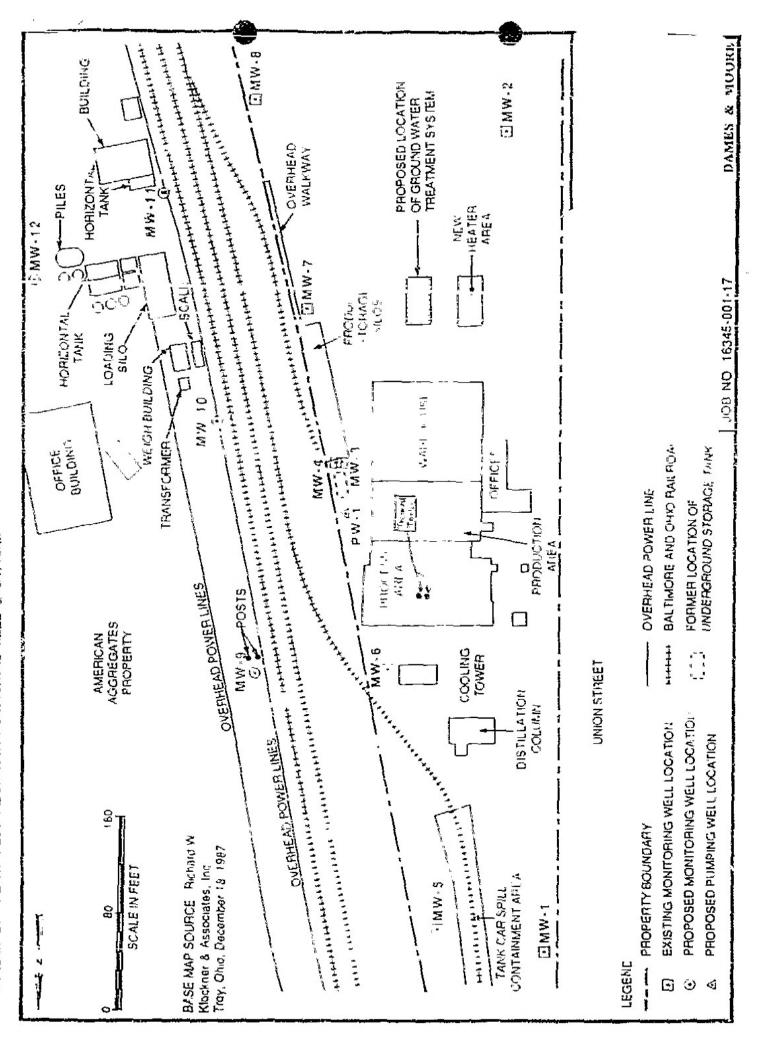


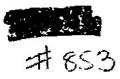
FIGURE 2: PLANT PLOT PLAN WITH MONITORING WELL LOCATIONS



STATE FIRE MAPSHAL BUREAU OF UNDERFROUND STUMAGE TANKS 6895 EAST WAIN STREET P.O. BY 687 REYHOLDSBURG, DHIG 43658-0587

1992 ARRUAL RENEWAL TANK REGISTRATION RECAPITURATION FORM

PLEASE RETURN THIS FORM TO THE AROVE ADDRESS, AND RETAIR & PHOTOCOPY FOR YOUR RECORDS.



MARK PROF 1/4/pa	# TAHKS	
FACILITY NAME		150 -
120	× \$25.00/TARK EQUALS	·
150	× \$25.00/TARK EQUAL:	s
	× \$25.00/TANK EPUAL	5
	x \$25 DO/TANK EQUAL	5
	× \$25.00/TAHK EQUAL	s
	× \$25.00/TAHK EQUAL	S
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	x \$25.00/TAHK EQUAL	s
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	x \$25.00/TANK EQUA	
	1	101100
	TANK PAGE TOTAL OF FEE PAGE TO TANK GRAND TOTAL OF FEE GRAND	TOTAL 150. — . 00153
APPROVED BY:	BELUG NO: DÍÄIZTÖK MZÉ OHTA	104217
DATE: SIN 97	CHECK NO: 3917	
		5 JUJU

STATE USE ONLY REGISTRATION FOR UNDERGROUND STORAGE TANKS Bureau of Underground Storage Tanks 8895 East Main Street, P.O. Box 687 keynoldsburg, Ohio 43068-0687

Tank A, qustration

Tank resistration is renewable each year. It is required by state law for all underground storage tanks that have been used to story regulated substances and which are currently in use or which were taken out of service after January 1, 1974, in a nammer of in compliance with the state and local regulations that were in effect at the time the tanks were taken out of dervice This annual registration is required by Ohio Revised Code 53737.88. It also satisfies the Federal Motification required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

- Administrative Code Section 1301:7-9-04(B) requires that, unless exempted, owners of underground tanks that store regulated substances must register the tanks with the State Fire Harshal. Owner means:
 - (a) in the case of an underground storage tank in use on November 3, 1984, or brought into use after their date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and
 - (b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.
- 2. Administrative Code Section 1301:7-9-04(D) requires that any person to whom ownership of any UST is transferred shall submit a transfer of UST registration application to the Fire Marshal for each location which is subject to the transfer. he transferor shall notify the transferse of this requirement at the time of the transfer.

Tank dedittration Application Fee: \$25.00 per tank. Each tank registration copinication shall be accompanied by the fee made payable to "Treasurer State of Obio" MOSE: Fereral, State and political subdivisions are exempt from paying the fee but they must comply with all other requirements of the underground tank registration rule, including the completion of this form.

Where To No tify? Mail registration application and fee to: Division of State Fire Marshal, Bureau of Underground Storage Tank Regulations, Registration Section, 9 G. Box 687, Reymoldsburg, OH 43068-0587.

When To Req ster? (1) Gwmers of underground storage tanks in use or that have been taken out of operation after January 1. 1974, but not in compliance with applicable state and local regulations must be registered. (2) Owners who bring underground storage tink, into use after Hovember 5, 1990, must register them within 30 days of bringing them into operation.

When Can - Tank Registration Se Denied?

The State Fire Marshal shall deny a tank registration for any of the following reasons:

- 11. The application does not provide all the information indicated on the prescribed form.
- The owner who is required to do so did not have the Carliffed Installer sign the math below Section XI of the Tank Registration Application. The owner of a UST installed on or after Movember 5, 1990, must obtain the signature of the Certified installer who was certified under Rule 1301:7-9-11 of the Administrative Code on the Tank Registration Application. The Certified Installer certifies that the installation of the UST system is in compliance with Rule 1301-7-9-06 and than all work listed in the manufacturer's installation checklist has been completed.
- 3. The owner did not submit the tank registration fee required.

REGISTRATION YEAR: 7/1/92 THROUGH 6/30/93

Penal ties Any person who knowingly fails to register or submits false information may be subject to a civil penalty not to exceed \$10,090.00 for each day the registration is late or for which false information is submitted. Any person who knowingly fails to register or submits false information may be subject to conviction of an unclassified falony with a mexican fine of \$25,000.00 and maximum imprisorment of 14 months.

II. LOCATION OF TANKS I. OWNERSHIP OF TANKS 550232 same as Ownership

Deltech Polymers Corporation 1250 S. Union Street Troy, Ohio 45378

NUMBER OF TANKS

Juadent #: 5530368

ווו רוי-ד סד טיאפּג	IV. INDIAN LANDS						
Federal Government: Commerce	I lanks are located on land within an Indian Reservation or on other trust lands.						
State Government Private	Tanks are owned by mative American nation, tribe, or individual						
Loral Soveriment	ESTIGN, TRIBE, OF INDIVIDUAL						
	V. TYPE OF FACILIT						
Select the Appropriate Fazility Do cript	CE .						
Gas Station Rai	road						
Petroleum Distributor Loca	Government X Industrial Residential						
Air Taxi (Air Tine) Stat	e SovermentContractorOther (Explain)						
Aircraft Owner Fede	ral-Hon-Hilitary Trucking/frammport						
Auto Dealershio Fede	ral-Hilitary Utilities						
1 1	YI CONTACT PERSON IN CHARGE OF TANKS						
Name I.S. Allmand Jr.	Job Title: V.P. Develorment						
Audress P.C. Drawer 97375	City/State/Zip: Baton Rouge, La. 70874						
Phone (include area code): £04							
	VII. FIRMICIAL RESPONSIBILITY						
i ha acco 	re set the financial responsibility requirements in dance with OAC 1331:7-9-65.						
Pezroleum UST Release Her	Shanish Used to Cover Deductible Amount [
Commensation Board (CI	Guzrantes & Standby Trust						
	Self Indured Surety Bond & Standby Trust						
CURRENT DEDUCTIBLE AMOUNT.	Insurance (Cornercial) Letter of Credit & Standby Prust						
	Risk Retention Group Trust Fund						
PR	DAIDES AND STATE OF THE STATE O						
VIII. CERTIFI	CATION (Resuland sign after completing all sections)						
I certify under penalty of law that I have strached documents, and that based on my in I believe that the submitted information is	personally examined and am familiar with the information submitted in this and all quiry of those individuals immediately restonsible for obtaining the information, true, accurate, and complete.						
Name of Owner:	OFFICE TANK						
(MUST TYPE OR PRINT)	Official Title:						
	Date:						
uthorized Representative: <u>L.C. Allma</u>	nd fr. Official Title: V.F. Development						
ignature: D.C. Milion a	Date: Vacly 28, 1992						

IX. DESCRIPTION OF UNDERGROUND STORAGE TABLE (Complete for each tank at this location)						
Tank identification /	luster	Tank Halfre	Tank Ho	Tank No. 723	Tank Ho Daile	Tank No
1. Status of Tank						
(mark only one)	Currently n Use	TE	Y35	TE	753	
	Temporarily Gut of Use					
	Permanently Cut of Use					
	Amendment of Information					
2. Jate of Installar	ic: (no/year)	1/83	1/38	1/76	5/32	
J. Extimated Yotal c	epacity (gallons)	30,000	30,000	20,000	5,090	
4. Material of Const	ruction (mark all that apply)					
	Asphelt Coated or Bere Steel	[8.5.	[2.5.]	[3:3:]	3	***************************************
	Cathodically Protected Stee!					
	Epoxy Coated Steel					
	Composite (Steel with Fiberglass)					
	Figergiass Rainforced Flastic					
	Lined Interior					
	Double Walled	YES	FEE			
	Polyethylene Tank Jacker				·	
	200			;	[]	
	Concrete	ļ — — — — — — — — — — — — — — — — — — —		<u></u>		[]
	Excavation Liner	,	L	i		
	Unknown		<u>-</u>	<u> </u>	<u> </u>	
	Other (please specify)		ļ —————			
	has tank been repaired?	L		<u> </u>	l	<u> </u>
5. Fiping (Material)	(Mark all that apply)					i
	Bare Steel	8.5.	<u> </u>	[_E.S]	B.S	li
	Galvanized Steel					
	Fiberglass Reinforced Plastic					
	Copper					
	Sathodically Protected					
	Double Valled	<u> </u>	<u>'</u>			
	Secondary Containment					
	Unangen		[
	Other, please specify	 				

		Tank No. 2 71.	SANT HATTERY TO	Tank HdF	Tank Ho
nk Identification Number	lank Kara	Tank No 12	ent may a		T
Figure (type) (mark all that apply)			г		<u> </u>
Suction: no valve at tank	<u> </u>				, , , , , , , , , , , , , , , , , , , ,
Suction: valve at tank	IE-	765		L	
Suction: Asias at this	755	TES			
Pressure	5770	YES	L		1
Gravity Feed	YES				, , , , , , , , , , , , , , , , , , , ,
Has piping been repaired?	NO	NC		i	
Substance Currently or Last Stored in Greatest Quantity by Volume					J
				[J
fiatolin#	1	i :		i	
Diesel	\			ļ	-l
Sessbol .		[·		<u> </u>
G5512/C1	ļ			1][
Kerosena				ıİr	7
Heating Oil		اراد			
				1	
Used 011	Styrene	Styrene	Styrene/	Styre	
Other (please appulfy)	Mougrap.	Maraner -	Sthulbens	-1	
		·		-l	
Hazardous Substance	L	الــــــــــــــــــــــــــــــــــــ		J L	
				.	- j
CERCLA name and/or CAS Humber	100-45-2	700-45-2	100-45-2	100-47-	<u> 4</u>
CAS Humber	100-40-2	1000000			
		-lr	,[7 725	717
Histure of Substances	<u> </u>	J └───	1		
		_	.	-	_
(Please specify)	!		u cenuire	_,!	
X-	TANKS OUT OF U	SE, OR CHANGE I	W DEKEIPE		
1. Closing of lank	į	ļ			1
A. Estimated data last used	ŀ	-	ļ	1	ļ
(mc./day/year)			[
B. Estimated date tank closed	ļ				1
(mp./day/ye_))					
	i 	7			□ □
C. Tank was removed from ground				¬ r	<u> </u>
9. Tank was closed in ground	L	- ∤└	J		
] [_	╼┙┃┖╼╼╼
E. Tank filled with inert material Describe		<u>- i</u>	-	_	
1			_	_	_
1				<u> </u>	
F. Change in service					
- Consider the control of the contro					
han the second Completer			┙ ┃┖───		
2. Site Assessment Completed					
] [
Evidence of a leak detected					

MI CERTIFICATION OF COMPLIANCE (COMPLETE F					
lank identification Number	Tank No	Tank X:2.2.1	Tank NOT ES	lank nour men	180x AD
1. Installation A. Installer certified by tank & proing manufacturer B. Installer certified or 'icensed by the agency C. Installation inspected by a registered engineer O installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify 2. Release Detection (mark air that maply) A. Manual tank gauging B. Tank tightness testing C. Inventory controls D. Automatic tank gauging E. Vauor monitoring F. Groundwater monitoring G. Interstitic monitoring double walled tank/piping M. Interstitic monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify	TABLE OF THE STATE	TANK BIOTHE	TANK PIPING	TANK PIPING	TANK PIPSKG
3. Spill and Overfill Protection A. Guerfill device installed B. Spill device installed	YES YES	YES YES	LYES	YES	

NEW TANK INSTALLATION ONLY

ATH: I certify the information conc	erning installation that is provided in Section XI is true to the best of my knowledge.	
installer Name: (MUSI TYPE OR PRINT)	Forition:	
Installer 1D Yumber:	Certification Experation Date:	
Signature.	Date:	

IX. DESCRIPTION OF UNDERGROUND STORAGE TARKS (Complete for each tank at this location)							
Tenk Identification	Humber	Tank Hou	Tank Ho	Tank No 💪	Fert #=	Tank No	
1. Status of Yank (mark only one)	Currently in Use	5. Therm		V. Therm	<u></u>		
	lemporarily Out of Use						
	Permanently Gut of Use	TES		YES			
	Amendment of Information						
2 ate of Installat	ion (mo/year)	/1978		/1978			
3. Estimated Total (capacity (gallons)	500		500			
4. Material of Const	truction (mark all that apply)						
	Asphalic Coated or Bare Steel	E.S.		<u>₹.3.</u>			
	Cathodically Protected Steel						
	Epoxy Coated Steel						
	Composite (Steel with Fiberglass)						
	Fiberglass Reinforced Plastic						
	Linea Interior	<u>'</u>					
	Jouble Walled						
	Polyathylere Tank Jacket						
	Concrete						
	Excavation Liner						
	.tknasm						
	Other (please specify)						
	Has tank been repaired?						
5. Piping Waterial)	(Mark all that apply)	į				······································	
	Bare Steel	E-3-		B.5.			
	Gulvanized Steel						
	Fiberglass Reinforced Plastic						
	Capper						
	Cathodically Protected						
	Nouble Walled						
	Secondary Containment						
	Unknown						
	Other, please specify						

				5	Teni Po	iank IIa
ank Identification	Number	Tank No.2	Tank 'o	rank no	Tank Ro	COR IG
Piping (Lype) (a	ark all that apply)	E. Pleto.		W. Therm		
	Suction: no valve at tank		<u> </u>	ļ	L	<u> </u>
	Suction: valve at tank					
	5			ا ا		
	Pressure	(1	ļ,———		
	Gravity Feed		L		1	
	Has piping been repaired?	<u> </u>	<u> </u>			<u> </u>
7. Substance Currer	ntly or last Stored					1
in Greatest Quar	itity by volume	<u></u>	<u> </u>		,	l
	Gasoline					[
	preser			i		!
	Gasphol	ì				ļ Li
	V					
	Kerosene	i		İ	ılc	
	Heating 3:1					ļ
	Used Oil	ļ	 		<u>د</u>	
	Other (please specify)	Therminal		Thermino	4	
					1 1	
	Hazardous Substance	<u> </u>	<u> [</u>		·	
	CERCLA mame and/or CAS Number				·	ļ ———
	CCC Vienter		<u> </u>		.	
	CAS Number					
	Hixture of Substances] [
	(Please specify)				.	ļ
	· · · · · · · · · · · · · · · · · · ·	UKS OUT OF US	E, OR CHARGE I	H SERVICE		
			T	1	1	1
1. Closing of Tan	k Estimated date last used (mo./day/year)	10/87		10/87		
	. Estimated date tank closed		-	-		
-	(mo./day/year)	1992		1992		
			1	1:	3 	1
	. Tank was removed from ground		┙┃┖┈──── ╻┃┎┈───	. <u> </u>		
	. Tank was closed in ground		J └── ─	ا إل	J L	1
2	. Tank filled with inert material][]] [
,	Describe			.		
È	Not well sometate?		-	.	-	
	Not get completed)ic			3{
ļ	F. Change in service					1
2 (: !	of Completed (5 t	inc_		ine]	J [
2. Sete Assessmen	nt Completed Gueemplete	-				
Evidence of a le	ak detected	NA.][ــــالـ	ــــاإك
TAIREITE OF B IS	- 44-481FA				:	

			AT THIS INC	A1108)	
XI. CERTIFICATION OF COMPLIANCE (COMPLETE	Tank Ho	Tank No	"ank No &	Tank No	Tank No
ink Identification Number		1	W. Therm	 	
Installation	E. Therm		B-A		
A. Installer certified by tank & piping manufacturer B. Installer cartified or licensed by the agency					
C. Installation inspected by a registered engineer]
0. Installation inspected & approved by agency					
E. Manufacturer's installation checklists completed					
F. Another method allowed by state agency-specify	TAHK PIPIN	G TANK PIPIN	G TANK FIPIN	G TANK PIFE	HG TANK PIPIN
. Kelease Detection (man all and apply)					
A. Hanual cank gauging B. Tank tightness testing					
C Inventory controls					
O Automatic tank gauging					
E. Water manitoring					
f. Groundwater monitoring					
G. Interstitial monitoring double walled tank/pipin					
H Interstitial monitoring/secondary containment				기 [
I. Automatic line leak detectors					
J. Line tightness testing K. Other method allowed by state agency-specify					
K fither method attenen of state again, open					
3. Spill and Overfill Protection	N/A	- <u>-</u>	N/A		
A. Overfill device installed	<u> </u>				
B. Spill device installed					

NEW TANK INSTALLATION ONLY

DATH: I certify the information concerning installation th	nat is provided in Section XI is true to the best of my knowledge.
Installer Name: (MUST TYPE OR PRINT)	Position-
Installer IO Number	_Certification Expiration Date

SJETEUTED PULLTASE REPORT

REPORT #15153101316181110101111111111111111111111111		D. 4 771	g - 2 ot 162
- [1] PERSON REPORTING THE RELEASE	_	DATI	E: <u> </u>
NAME: Stephen T. Small TITLE: Plant Manager	DUONE.	TIM	3: <u>-3:00</u>
AGENCY/COMPANY: Deltech Polymers RELA	_ FRUNE;	(37)3	339-3150
ADDRESS: 1250 South Union Street CITY: Tray	TITON TO	SITE:	wrent Proporty Chan
REMARKS: Dite milestration time soul per i report		ST: <u>/-4</u>	ZIP: 4533
[2] SUSPECTED RELEASE LOCATION			
MULTIPE E SUSPECTED SOURCES? YES NO NDETERMINED	COTINTY	M	#57
FACILITY: Dellech relynes Cos.	FACTI	TTV TD	550230
ADDRESS: 1236 South Union St.		TII ID#	20000
CITY: ST: <u>0.4</u> ZIP: 45303	PHONE:	<i>(</i>)	
IIST OUNTED: 10 11	PHONE:	. ,	
UST OPERATOR:		•	
REMARKS. Ait e. a.t. Charge Keyner	2110114	` ,	
- Los Theomers UST: had all a 1988 -	no cl		
- Printering !! St's marking contained Some type	79 4.	R's co	he. 4
- Tenster oil lies to			
FIRE DEPT: Tray F.D. CONTACT: D. CK Z. MARGINAL	PHONE:	(513)	335-5628
[3] CONDITIONS LEADING TO REPORT OF SUSPECTED RELEASE (Chec	ck all t	nac ann	(v)
Inventory control results indicate a release may have occu	irred.	upp.	
Testing, monitoring or sampling results indicate a release	may hav	ve occus	rred
Unusual operating conditions observed (e.g., sudden drop i	n tank	volume).	
Impacts noticed in area surrounding ank (e.g., vapors, we	11 conta	minated	l. run-off)
Spill or overfill of petroleum in excess of 25 gallons.			1 022).
Soil/Groundwater contamination discovered during non-closu	re relat	ed inve	stigation
Closure (or replacement) assessment results indicate that	a releas	e has o	ccurred.
CTHER CONDITIONS:			
		_	

[10] REPORT DISPOSITION (Indicate actions taken on reverse	e side) :		· · · · · · · · · · · · · · · · · · ·
TAKEN BY: EMERGENCY ACTION? YES NC BY:	JA _OE	PA ()
PITERED BY: DATE MAI. 8,1993	Lacet		16.3/ <u>8/23</u>
TROLE STATUS: RPT SUS DIS CON IGA ICR PRIORITY: 1 3 4 CL	ASS: A B	CD I	IF: 1 2 6
ICC SAS SAC CAS CAP NFA		25-25	THER:

DATE FIRST DETECTED: CASOLINE	FET OFANTITY: U.K
DATE FIRST DETECTED:	KEROSINE USED OIL
SUBSTANCE RELEASED/DELECTED.	H. L.
OTHER PETRO HAZ SUBST UNKNOWN EST	BASEMENT BASEMENT SEWERS
OTHER PETRO HAZ SUBST UNKNOWN EST	LTF
MEDIA EFFECTED (Gheck all that apply):SOIS GROUNDWATERSUPFACE WAYEROTHER:	Merman
THE NO IT TO, WHY	
ELIGIBLE? YES NO IF NO. WHY.	/ Far all facilities)
NUMBER OF TANKS: RELEASE DETECTION METHOD	
	-CONST SUBSTANCE
-CONST SUBSTANCE	AGE CAFACITY MATERIAL STORED STATUS
AGE CAPACITY MATERIAL SILVER CALL	
tank ICC cont	
A CONTRACTOR OF THE PARTY OF TH	
PROBABLE LOCATION OF RELEASE. TANK NO	E BETWEEN AND
PROBABLE LOCATION OF RELEASE. TANK NO	
PROBABLE CAUSE:	1 + 1 5.62
OTHER POTENTIAL SOURCES AT THIS LOCATION.	
OTHER POTENTIAL SOURCES AT THIS CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CHAPACTERS OF THE CHAPACTERS OF THE CONTROL OF THE CHAPACTERS OF	Table feet week
THEORETANE SITE OR S PROUNDING AREA CHARACTERI	STIGS:
TATORIMI OTTO DE -	
COLORES D. C.	model of Municipal water
PROXIMITY TO DRINGING WATER SOURCES: 4.6.	
OTHER FIRE/WATER/HEALTH HAZARDS AT THE SITE:	Industrial Site
OTHER FIRE/WATER/WEALTH MAZARDS AT THE SITE.	
[7] INITIAL RESPONSE ACTIONS BY OWNER/OF	FPATOR = -= (Check all that apply)
[7] INITIAL RESPONSE ACTIONS BY OWNER/OF	Initial site investigation
er Thurseleacton	ci in Assessment/Exp Jsure Assessment
Initial corrective action pro-	Unknow./undecermined
Free product removal Long term corrective action plan	7 17
Long term corrective action plan [8] WERE ANY GIRER ACERGIES NOTIFIED PR	TOR TO SUSTR? (As kepotted)
11-27 T.	DALE:
ACENCY:	i i
[9] BUSTR ACTIONS THE	16 to Bad Dominary Mam. County H
4193 Dick & wan erm	3/3/9 Bad Domigan /Mam. County H. 5252 N. County Rel.
Troy DH 40375	25A 16 Bex 677
	Tray CH 45375-C67) 1. Ft massage for how to call The office
Mens (S 1)) 3	Do how to call
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Official and a Company of the state of the s	





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Asta 1 62 3

January 2, 2004

Ohio Department of Commerce Division of State Fire Marshal Bureau of Underground Storage Tank Regulations 8895 E. Maint St. PO Box 687 Reynoldsburg, OH 43068-9009

Attn: Ms. Amanda Davies

Re: UST Abandonment

Dear Ms. Davies:

This letter is in response to your request for information dated December 9, 2003. Below is a description of procedures followed during temporary abandonment of the 20,000 gallon styrene tank at Troy, Ohio. Permanent closure of the tank has not been completed.

In October, 1998, Deltech Polymers Corporation contracted the Payne Firm to complete closure on two 500 gallon Therminol tanks and the styrene tank. They sub-contracted the tank cleaning to AST Environmental. In November, 1998, AST cleaned the three tanks. The styrene tank was water blasted and entered, removing all liquid, semi-solid, or solid residues in the tank. The top man way cover was then reinstalled, and the tank was vented per regulation. The tank has remained in this state until present time, clean and empty.

Deltech Polymers Corporation intended to permanently close the tank in place, fill it with an inert concrete-like material, and submit a final closure assessment report. Deltech Polymers submitted a request for deviation from the soil sampling requirements. This request was based on two main points. First, periodic leak detection conducted on the tank always showed that the tank was not leaking. Second, an explosion and fire in 1987 had contaminated the soil in the vicinity of the tank. This contamination had shown up in monitoring wells just downstream of the area, but was decreasing through natural attenuation. However, soil sampling around the tank would surely show hydrocarbon contamination (styrene and ethyl

benzene), and this contamination would not have originated with the styrene tank. Therefore, there was no constructive purpose for conducting the soil sampling.

To date, Deltech Polymers Corporation has not been able to resolve the dispute with BUSTR, and has not submitted a closure assessment report. It is our desire to complete the closure as soon as possible and lay this matter to rest.

If there is any further information I can provide, please contact me (937) 335-5286 Ext. 11, or via e-mail at jmathis@deltechcorp.com.

Sincerely,

Jim Mathis

V.P. Operations

Ji Mathir



Julio Department of Commerce

Division of State Fire Marshal

Bureau of Underground Storage Tank Regulations 8895 E. Main St. • P.O. Box 687 Reynoldsburg, OH 43068-9009 (614) 752-7938 FAX (614) 752-7942 Governor

Lt. Governor Jennette Bradley Director

Bob Taft

www.com.state.oh.us

December 09, 2003

JAMES MATHIS DELTECH POLYMERS CORP 1250 S UNION ST TROY, OH 45373 SITE: DELTECH POLYMERS CORP.

(UST ABANDONMENT)

1250 S UNION ST

TROY OH

MIAMI COUNTY

FORMER INCIDENT #5530368-00 RELEASE #55000232-N00001

RE: ADDITIONAL INFORMATION REQUESTED

Dear Mr Mathis:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed all information submitted for the referenced release. Based on our review, BUSTR requests the following:

1. It is assumed that the 20,000-gallon styrene tank has been abandoned in place. Please submit a description of any abandonment procedures that were performed to be in compliance with OAC Rule 1301:7-9-12(K). This information will be of great use when considering what, if any, further actions will be required.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at www.com.state.oh.us or by calling our office.

Please submit this information to BUSTR within 60 days from the date of this letter.

Thank you for your cooperation. If you have any questions, please contact me at (614) 752-7125.

Sincerely,

Amanda Davies

Environmental Specialist

Dira Qalamand

xc:

Site File

DELTECH POLYMERS CORPORATION 1250 S. UNION ST. TROY, OHIO 45373

TEL: 937-339-3150 FAX: 937-339-7694

<u> </u>	FACSIMILE TRANSMITTAL SHEET							
TO:	Ms. Amanda Davies	_{FROM:} Jim Mathis						
	PANY: BUSTR	DATE: 12/8/2003						
FAX	NUMBER: 614-752-7942	TOTAL NO. OF PAGES INCLUDING COVER:						
PHO	NE NUMBER: 614-752-7125	SENDER'S REFERENCE NUMBER:						
RE:	Document Copies Release No. 55000232- N00001	YOUR REFERENCE NUMBER:						
	JRGENT D FOR REVIEW D	PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE						
NOT	ES/COMMENTS: Ms. Davies:							
		documents pertaining to the UST's referenced in the w and let me know what action is required by Deltech						
		ct line, 937-335-5286 Ext. 11, or via e-mail at I travel nearly every week, and will be in the Troy office is week.						
	Sincerely,							

Jim Mathis

Vice President -- Operations



Onio Department of Commerce

Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
8895 E. Main St. • P.O. Box 687
Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942

www.com.state.oh.us

Bob Taft Governor

Lt. Governor Jennette Bradley
Director

November 18, 2003

DELTECH POLYMERS CORP 1250 S UNION ST TROY, OH 45373 SITE: DELTECH POLYMERS CORP.

(UST ABANDONMENT 10/21/98) 1250 S UNION ST

TROY OH

MIAMI COUNTY

FORMER INCIDENT #5530368 RELEASE #55000232-N00001

RE: NO RESPONSE RECEIVED

Dear Sir or Madam:

On December 4, 2001, the Bureau of Underground Storage Tank Regulations (BUSTR) sent you a letter requesting a closure assessment report. As of this date you have not provided the requested information. To be in compliance with Ohio Administrative Code 1301:7-9-12, effective September 1992, you should supply this information within 30 days of the date of this letter.

On March 31, 1999, a new corrective action rule became effective. A provision of this rule allows owners/operators with releases confirmed prior to March 31, 1999 to elect to conduct corrective action under the 1999 rule. A Fact Sheet explaining this option may be found on our web site.

Publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at www.com.state.oh.us or by calling our office.

Thank you for your cooperation. If you have any questions, please contact me at (614) 752-7125.

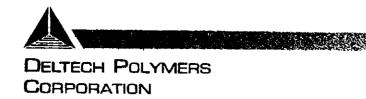
Sincerely,

Amanda Davies Environmental Specialist

xc:

Site File

1250 South Union Street 1 Froy, OH 453-11 (937) 339-3150 Fax. (937) 339-7694



January 29, 2002

Mr. Raymond Bauman
Environmental Specialist
Ohio Department of Commerce
Division of State Fire Marshal
Bureau of Underground Storage Tank Regulations
6606 Tussing Road
PO Box 687
Reynoldsburg, OH 43068-9009

RE: Request For Sampling Exemption

This letter is in response to your concerns pertaining to two UST's located on Deltech Polymers Corporation's Troy Ohio facility, which were temporarily closed in 1998. I would first like to apologize for this not getting to you sooner.

The first of these two tanks is a 500-gallon tank that previously held a type of Therminol heat transfer oil, which is known to have contained PCB's. You had requested that we send an MSDS to you showing that the material did in fact contain PCB's, with the intention that jurisdiction over the tank would pass from the Division of State Fire Marshal to U.S. EPA Region 5. Unfortunately, we have not been able to obtain an MSDS from Solutia Corporation, who currently manufacture Therminol, or from Monsanto, who were the previous producers. However, we are certain that the tank did contain PCB's at one time, because of sampling of the tank residue performed by The Payne Firm for Deltech Polymers Corporation. Attached are analytical results for the test, showing the presence of Aroclor 1248. Based on this information, the tank should be transferred to the jurisdiction of U.S. EPA.

In 1987 Goodson Polymers (Deltech Polymers previous owner) experienced a fire and subsequent explosion at its Troy, OH facility. This incident released styrene and associated aromatics into the soils of the Troy facility. This contamination appears to be well contained within the facility boundaries and is being gradually attenuated by the naturally occurring bacteria in the soil and groundwater. Both Ohio EPA and the Troy Fire Department are aware of this incident. Deltech Polymers monitor this contamination with a system of monitor wells.

The second UST in question (TK1 - 20,000 gallons) is located in the process area where the explosion took place. This area is now completely covered by an impervious concrete slab. Previous sampling of various monitor wells downgradient of this process area have detected styrene and associated aromatics (ethyl benzene, toluene, xylenes, etc.). This tank has been leak tested numerous times and has never been shown to leak. Soil samples taken from this area would have a high probability of detecting styrene and associated aromatics, however there is no indication that this contamination occurred as a result of a leaking UST, but is instead a remnant of the aforementioned explosion that occurred in 1987.

Deltech Polymers Corporation feel that soil testing as prescribed in OAC 1301:7-9-12 (K)(4) will serve no purpose, as the results from this testing will not provide any useful data other than confirmation of a spill that occurred in 1987, that is being monitored as required by Ohio EPA. For this reason Deltech Polymers does not wish to disturb the integrity of the tank (which has been shown not to leak) or the concrete pad, which are located in active process areas. OAC 1301:7-9-12 (K)(4)(f) states "if site conditions interfere with collection of any samples required by paragraphs (K)(4)(c) to (K)(4)(e)(iv), owners and operators shall obtain approval in writing from the bureau chief for an alternative sampling protocol." We believe that this exclusion is in place for precisely this type of circumstance and do not believe that soil testing should be required. Deltech Polymers would like to use our current monitor well testing program as the "alternative sampling protocol", as this testing would be the most useful in ensuring the ongoing protection of human health and the environment.

If you have any questions or need additional information please contact me at (937) 335-5286.

Sincerely,

James E. Mathis

Plant Manager

Deltech Polymers Corporation

James E. mathis



PAYNE FIRM INC.

UST FLUID

WO #: C07AN101

LAB #: A5G140120-001

MATRIK: WASTE

DILUTION PACTOR:

100.00

DATE SAMPLED:

TIME SAMPLED:

7/13/95 15:30

DATE RECEIVED:

7/14/95

% MOISTURE:

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	МЕТНОО	EXTRACTION - ANALYSIS DATE	QC BATCH
Aroclor 1232	ND	100,000	SW846 8080	07/30-08/04/95	5211006
Aroclor 1016	ND	100,000	SW846 8080	07/30-08/04/95	521100 €
Aroclor 1221	NE	100,000	SW846 8080	07/30-08/04/95	521100€
Aroclor 1242	an	100,000	SW846 8080	07/30-08/04/95	5211000
Aroclor 1248	420,000	100,000	8 484 6 8080	07/30-08/04/95	5211006
Aroclor 1254	ND	100,000	SW846 8080	07/30-08/04/95	5211000
Aroclor 1260	ND	100,000	SW846 8080	07/30-08/04/95	5211006

SURROGATE RECOVERY

<u>&</u> ,

ACCEPTABLE LIMITS

Tetrachloro-m-xylene

DIL

(30 - 170)

NOTE: AS RECEIVED

NO NOT DETECTED AT THE STATED REPORTING LIMIT

1

Date:

December 24, 2001

To:

Files

From:

Jim Mathis

Subject:

UST Closure Reports Memo Call to Raymond Bauman

(Dec. 21,2001)

I contacted Mr. Raymond Bauman concerning a letter he had sent to me, dated Dec. 4, 2001. In the letter, he stated that Deltech Polymers Corp. had not sent in a "closure assessment report," for the two UST's that were temporarily closed on December 4, 1998.

I explained to Mr. Bauman that DPC had sent two letters to BUSTR, State Fire Marshal office requesting a modification to the normal soil sampling procedure. DPC had taken no further action while we waited on BUSTR to rule on the second letter. BUSTR had denied the first request. We were requesting that the soil testing be waived because the tanks were located under cement pads in the vicinity of process equipment.

Mr. Bauman stated that the request was denied because the tanks would have had to have been entered to proper cleaning, and that a hole could have been drilled in the bottom of the tanks for soil testing purposes while the tanks were entered. I told him that I did not have a ready answer for that issue, but that I would get back to him. I told him that there were actually two smaller tanks, which were believed to have contained PCB's. Each was only 500 gallons, and therefore could not be entered for cleaning or sampling.

Mr. Bauman stated that the had the following UST's on file:

One (1) 20,000 gal temp. closed

One (1) 500 gal temp. closed

One (1) 500 gal removed (could have been closed in place)

One (1) 5000 gal removed

Two (2) 30,000 gal in service

I told him that the files were basically correct. The second 500 gal tank that was marked "removed" was actually thought to have been filled with cement, but was found to be open.

I stated that, to my best knowledge, there had been a regulatory loophole on the two tanks that had contained Therminol, which was believed to have contained PCB's. My understanding was that the tanks were not regulated by BUSTR, and that they were not actually regulated by Ohio EPA either. Mr. Bauman stated that I was correct, and that the PCB tanks were now referred to USEPA Region 5. Toxics of this nature were no longer handled by OEPA.

Mr. Bauman stated that he would record in our file that we had made phone contact concerning these issues. He requested that we submit a letter explaining why we would not be able to sample the soil beneath the former styrene tank by drilling through the bottom of the tank, or submit a plan to do the sampling. He also requested an MSDS for the Therminol showing that it contained PCB's, so he would have the documentation to refer the smaller tank to Region 5.

I told him I would consult with our EH&S group and send him a written response.

James E. Mathis

Plant Manager

Deltech Polymers Corporation

James E. Mathis







Ohio Department of Commerce

Division of State Fire Marshal

Bureau of Underground Storage Tank Regulations
6606 Tussing Road • P.O. Box 687

Reynoldsburg, OH 43068-9009
(614) 752-7938 FAX (614) 752-7942

www.com.state.oh.us

Bob Taft Governor

Gary C. Suhadolnik Director

December 04, 2001

JAMES MATHIS
DELTECH POLYMERS CORP
1250 SOUTH UNION ST
TROY OH 45373

SITE: DELTECH POLYMERS CORP 1998 TANK ABANDONMENT 1250 SOUTH UNION ST

TROY OH

MIAMI COUNTY

FORMER INCIDENT #5530368-01 RELEASE #55000232-N00001

RE: CLOSURE ASSESSMENT REPORT NOT RECEIVED

Dear Mr. Mathis:

The Bureau of Underground Storage Tank Regulations (BUSTR) was notified on December 4, 1998 that the underground storage tank system(s) at this site were abandoned in place.

To date, BUSTR has not received a closure assessment report. The owner and operator are both responsible for filing this report. Either may take action to comply with the regulations; however, both are liable for noncompliance.

The closure assessment report must be filed with BUSTR even if a copy of the report has already been sent to the Petroleum Underground Storage Tank Release Compensation Board, the Ohio Environmental Protection Agency, or the local fire department.

The closure assessment reporting requirements are listed in Ohio Administrative Code 1301:7-9-12(K) and (L), effective September 1992. An order form and other publications that may help you to understand the requirements for compliance with BUSTR's rules and regulations may be found on the Internet at www.com.state.oh.us or by calling our office.

Please send your closure assessment report to BUSTR within 30 days of the date of this letter.

Thank you for your cooperation. If you have any questions, please contact me at (614) 752-4232.

Sincerely,

Raymond Bauman

Environmental Specialist

arment Bouman

xc:

Site File

cc:

Chief John A. Denney, Troy Fire Department

Jeff Koehl, Miami County Health District



Oh Department of Comr ·ce

Division of State Fire Marshal Bureau of Underground Storage Tank Regulations

P.O. Box 687 Reynoldsburg, OH 43068-9009 (614) 752-7938 FAX (614) 752-7942 George V. Voinovich
Governor

Donna Owens
Director

October 21, 1998

JAMES MATHIS
DELTECH POLYMERS CORP
1250 S UNION ST
TROY OHIO 45373

SITE: DELTECH POLYMERS CORP 1250 SOUTH UNION ST TROY OHIO MIAMI COUNTY INCIDENT #5530368-01

RE: REQUEST TO USE AN ALTERNATE TECHNOLOGY

Dear Mr. Mathis:

The State Fire Marshal, Bureau of Underground Storage Tank Regulations, has reviewed your request dated October 8, 1998, to use an alternative technology other than those methods accepted by Ohio Administrative Code 1301:7-9-12. You requested to forgo closure sampling for both the 550 gallon therminol and a 20,000 gallon styrene underground Storage tanks (USTs) and ask that BUSTR accept the ground water monitoring from the existing monitoring well network as meeting the requirements of OAC 1301: 7-9-12 (K)(2). In addition you asked BUSTR to give you permission to abandoned the above referenced USTs in place.

The Troy Fire Department is a BUSTR delegated authority. Therefore, they will issue the permit and may approve the abandonment of the USTs in place. Nevertheless, they do not have the authority to deviate from the closure regulations.

If the Troy Fire Department approves an abandonment in place for the Styrene UST, you must conduct the closure in accordance with OAC 1301: 7-9-12 (H) and conduct a closure assessment in accordance with OAC rule 1301:7-9-12 (K)(e). A closure report shall be submitted containing the appropriate information required by OAC 1301:7-9-12(L).

You must also submit to BUSTR for prior approval of the analytical method used for the closure samples for the styrene USTs the following information:

- 1. Copy of MSDS for the substance.
- 2 Suggested analytical method from an analytical laboratory and information on the method suggested.

James Mathis Page 2

The therminol is a polychlorinated biphenyl and is not a BUSTR regulated substance as stated in our letter to Mr. Stephen T. Small of your corporation dated October 17, 1994. You may contact, Yves Reme, at US EPA REGION 5, 77 W JACKSON BLVD. DU-7J, CHICAGO IL 60604-3590, phone #(312) 353-4889, for a binding determination. Your letter and site have been referred to Craig Smith at OEPA, DERR PCB UNITE, phone #(614) 644-3144 for additional regulatory oversight.

The State Fire Marshal hereby denies your request to forgo conducting a closure assessment for the regulated USTs. The monitoring of the existing monitoring wells does not meet the requirements of vapor or ground water monitoring as a release detection method.

Thank you for your cooperation. If you have any questions, please contact Raymond Bauman at (614) 752-7938.

Sincerely

Kelly J. Gill/ Corrective Action Supervisor

KJG:RB⁴

xc: Site File

Dr Guy Shrake, Miami County Health District Inspector Charles Riley, Troy Fire Department Craig Smith: OEPA DERR, Central Office 553 03 68. O RPT 2, 0,9, COCA

553 03 68 - 01 RPT, 2, 0,6 COC1

DIVISION OF STATE FIRE MARSHAL - BUST

8895 East Main Street, P.O. Box 687 Reynoldsburg, OH 43068-0687

DELEGATED PERMIT FOR UNDERGROUND STORAGE TANKS

Sind 2 tanks Temored 0606624-95 Per modul

	550232 Issue Date: 10-21-93
I. Ownership of Tanks Owner No:	II. Location of Tanks Facility No:
Owner/Operator Name	Facility Name
Deltech Polymers Corporation	Deltech Polymers Corporation
Address	Address
1250 S. Union Street	1250 S. Union Street City State Zip Code
City State Zip Code Troy Ohio 45373	Troy Ohio 45373
Attn.: (Contact Person) Area Code – Phone	Area Code – Phone County
Jim Matthis 937-339-3150	937-339-3150 Miami
III. Contractor	IV. Local Fire Department
Contractor's Name Payne Firm	Fire Department Name Troy Fire Department
Contact Person Area Code - Phone	Address
Mike Saul 513-489-2255	19 East Race Street
Address	City State Zip Code
11231 Cornell Park Dr.	Troy Ohio 45373
City State Zip Code Cincinnati Ohio 45242	
V. Permit Issued For: See Below (Note: Owner's Cop	oy of Permit must be available on job site.)
[101] Tank(s): Installations: [201] Tank(s): Replacement: [301] Tank(s): Repairs: [401] Tank(s): Upgrades: [501] Tank(s): Change in Service/Temporary Closure: [601] Systems:	[203] Total Systems: [303] Total Systems: [503] Leak Detection:
[601] Systems: 2 FIRE DEPARTM	
FIREDEFARIN	MIL COD CITED
Certified Installer: Daug Smith	IDNo: 10-97-2833
Inspector's Signature:	Date: 12/4/98

DEPARTMENT OF COMMERCE, DIVISION OF STATE FIRE MARSHAL BUREAU OF UNDERGROUND STORAGE TANK REGULATIONS P.O. BOX 687

REYNOLDSBURG, OH 43068-0687 614-752-7938

Preliminary/Follow-up

INSPECTION FIELD REPORT

Permit No: 06066

[] Final Inspection							Issue Dat	e: 10-21-98
1. OWNERSHIP OF TAI	NK.			II LOCA	TION OF TANK			
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Construction							—· · · ——-	·
Product Stored						 ,		
LEL/O2 Level								
Inspection Code								
Release Detection Tank:			<u>-</u>	Piping				
Corrosion Protection Tan				Piping				
Spill & Overfill Protection					Drop Tube	/ Ball Flo	at / Electro	onic
In Ground Test			Piping T	Test		Precisio	n Test	
	/		v. Te	MPORARY CLOSU	RE			
Tanks Emptied Yes	No	F	ill Pipe/Dispenser	Secured Yest N	Jo	Ve	nt Lines Open Y	es No
				/I. TANK LINING			-	
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SITE LISTING UPDATE FORM
EXISTING INCIDENT #: $ 5 5 3 0 3 6 8 + 0 6 $
FACILITY NAME: Del Tech Coace NEW FACILITY INFO? VYES NO (Update on back)
= [1] REASON FOR LISTING UPDATE -
[2] Verbal report/results received from owner/operator. [3] Written report received from BUSTR contractor. [4] Information collected from BUSTR field examination/inspection. [5] Change in site coordinator/contractor assignment. [6] Change/delete existing incident number - explain change in remarks section [5]. [7] Create new incident number for additional suspected facility/location. [8] Orders issued. [9] Other:
= [2] NEW SITE LISTING DATA
INCIDENT #: _ _ _ - _ - _ - _
REPORT NUMBER FAC TRKG# SPRC
EMERGENCY RESPONSE: YES NO BY: FH () OEPA USEPA
STATUS: RPT SUS DIS CON ICA ICR ICC SAS SAC CAS CAP NFA
PRIORITY: 1*
CLASSIFICATION: A B C LTF ELIGIBILITY: (CIRCLE) 1 2 6 OTHER
SITE COORDINATOR: COLL
= * [3] SITE SUMMARY (UPDATE FOR ALL PRICRITY 1 SITES) = Second sentence · who is doing what at this time)
CREAK File for sujvert Removal
_
== [5] SITE MANAGEMENT REMARKS ====================================
(BUSTR actions needed/taken, reports expected, etc.) 20000 Sygnewe Removal planed asked to Fogo Closure
pssessment and close in place, Denied,
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= [6] FOLLOW-UP BUSTR ACTIONS/ASSIGNMENT (For use by supervisor)
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APPROVED: DATE: 10/30/PS ENTRY: DATE:

SITE LISTING UPDATE FORM
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= [1] REASON FOR LISTING UPDATE
[1] Written report/results received from owner/operator. [2] Verbal report/results received from owner/operator. [3] Written report received from BUSTR contractor. [4] Information collected from BUSTR field examination/inspection. [5] Change in site coordinator/contractor assignment. [6] Change/delete existing incident number - explain change in remarks section [5]. [7] Create new incident number for additional suspected facility/location. [8] Orders issued. [9] Other: [1] NEW SITE LISTING DATA
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REPORT NUMBER FAC TRKG# SPRC
EMERGENCY RESPONSE: YES NO BY: FH () OEPA USEPA
STATUS: RPT SUS DIS CON ICA ICR ICC SAS SAC CAS CAP NFA
PRIORITY: 1* 1/2
CLASSIFICATION: A B C O LTF ELIGIBILITY: (CIRCLE) 1 2 6 OTHER
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5530368-09

98 001 -8 ... 9: 18 1250 S.) ith Union Street (513) 339-3150 FAx (513) 339-7694





DELTECH POLYMERS CORPORATION

Mr. Vern Ord Acting Chief, Bureau of Underground Storage Regulations Division of State Fire Marshal P.O. Box 687 Revnoldsburg, OH 43068-0687

Ret

Request for approval of alternate sampling sites for closure assessment in connection with permanent abandonment of two UST systems at the Deliech facility, Troy, Ohio,

Dear Mr. Ord:

Deltech Polymers Corporation is undertaking a project to permanently abandon two underground storage tank systems (USTs) containing regulated substances at its Troy, OH facility. By way of background. Deltech acquired the Troy polystyrene production facility out of pankruptcy proceedings in 1901. In 1987, prior to the acquisition by Deltech, a fire and explosion damaged portions of the facility and resulted in the release of styrene and ethylbenzene on the plant property. Detech has been engaged in ongoing monitoring and remedial activities at the site for these chemicals pursuant to an agreement with USEPA. These activities include ground water raonitoring up and down gradient from the two UST systems, which demonstrate that concentrations of these substances in the ground water beneath the facility are not migrating off site, and are steadily decreasing. A map of the surrounding monitoring wells is attached

The two USTs at this facility are located beneath a reenforced concrete slab and footers which support an active processing unit and supporting equipment. This equipment is provided with a concrete secondary contamment system. The two US Is are one 500-gallon and one 20,000-gallon tanks. The smaller tank is now empty but tests of the residues continued that it formerly contained therminol, used as a process coolant, which contained Aloclor 1248, a regulated nazardous substance. Use of the smaller tank was discontinued by the prior owner after the fire and explosion, but it was not removed at that time. The larger tank contains styrene, and has been operated and maintained by Deltech in accordance with current regulatory requirements. Due to the location of these tanks, removal is not possible without completely interrupting production and relocating the active processing equipment. A photograph of this portion of the sile is attached. Accordingly, Deltech is requesting approval to abandon these tanks in place.

We believe that there will be sufficient room above the tanks to comply with applicable safety standards and to fill the tanks with an appropriate inert material, and are confirming this with our consultants. However, the location of these tanks prevents conducting sampling in accordance with the provisions of the current regulations, without disturbing the active processing equipment or impairing the integrity of the secondary containment system.

OAC Rule 1301:7-9-12(K)(2) provides that "owners and operators of UST systems do not have to perform a closure assessment if vapor monitoring or ground water monitoring are used in accordance with paragraphs (E)(5) to (E) (6) of rule 1301:7-9-07 of the Administrative Code as an external release detection method for the UST system and release is not detected using one or both of these methods up to the time of permanent abandonment." Although we have not used these approved methods for release detection purposes, the ground water monitoring data collected in connection with the USEPA-supervised activities demonstrates that there is no evidence of a continuing release from the remaining operating styrene tank. In addition, the styrene tank has been monitored through inventory control procedures and was last subject to an integrity test in 1997, which showed no leaks present.

In addition, OAC Rule 1301:7-9-12(K)(4)(f) provides that "(i)f site conditions interfere with the collection of any samples required by paragraphs (K)(4)(e) to (K)(4)(e)(iv), owners and operators shall obtain approval in writing from the bureau chief for an alternate sampling protocol." As noted above, site conditions do not permit excavation of these tanks, or collection of samples from the locations prescribed in the rules due to the presence of the active process equipment. Deltech requests approval to submit historic data from the ongoing investigations at the site, and proposes to collect an additional round of ground water samples from the existing wells, and to analyze those samples for styrene and Aloclor 1248, the hazardous constituent present in the therminol residues in the smaller tank, in lieu of collecting the soil and or ground water samples required in the closure assessment rules.

Please contact me at the number listed above if you require additional information in support of this request. Your prompt response is appreciated.

Sincerely.

James E. Mathis Plant Manager

Deltech Polymers Corp.

James & Mathis

ee: Janet J. Henry, Esq. (PWMA) David Dixon (BR)



Ohio Department of Commerce

George V. Volnovich, Governor

Division of State Fire Marshal • Bureau of Underground Storage Tank Regulations 8895 E. Main St., P.O. Box 687 • Reynoldsburg, OH 43058-0887 (614) 752-7938 • FAX (614) 752-7942

Donna Ovens, Director

GCT 17 1994

Mr. Stephen T. Small Deltech Polymers Corporation 1250 South Union Street Troy, OH 45373 Deltech Polymers Curp. 1250 South Union Street Troy, Ohio Miami County Incident #5530368-00

Dear Mr. Small:

The Bureau of Underground Storage Tank Regulations (BUSTR) has reviewed your letter dated September 1, 1994. You requested a determination if BUSTR regulated two 500 galton underground storage tanks (USTs) containing "Therminol".

Therminol is a polychlorinated biphenyls (PCBs) with a Chemical Abstract Service (CAS) number of CAS 1336-36-3. The BUSTR does not regulate USTs containing PCBs.

The Ohio EPA should be contacted concerning any activities with these tanks.

Thank you, if you have any questions please call me at (614) 752-7938.

Sincerely,

Thomas Bell Environmental Specialist

TB:ag

cc: File #5530368-00

Ohio EPA, Southwest District Office Chief Robert Counts, Troy Fire Dept.

Mr. Lowell H. Domigan, Miami County Health Dept.

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1250 South Union Choos Troy, Onlo 45373 (513) 339-3150 FAX: (513) 339-7694

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DELTECH POLYMERS CORPORATION

September 1, 1994

Bureau of Underground Storage Tank Regulation PO Box 687 Reynoldsburg, OH 43068

Attn: Bev

Rb: Request for Abandonment in Place

Deltech Polymers Corporation purchased the Troy. Ohio. Polystyrene Plant at Sheriff's sale in March, 1991. This site had been operated by the now defunct Goodson Polymers. It has come to our attention that two 500 gallon underground Therminol storage tanks were emptied, cleaned, filled with concrete and process piping removed by Goodson Polymers in 1988. However, a formal closure procedure was never accomplished.

Deltech Polymers Corporation wishes to formally close these tanks. Because these tanks are located underneath existing operation equipment, removal or drilling for samples cannot be accomplished. See the attached Figure 1 (Process Area Plot Plan) to see location of tanks in relationship to operational equipment. We wish to close the tanks in place. Because the tanks are small and only have a two-inch nozzle connection, entry into the tanks is impossible.

As an alternate to the standard closure procedure, we propose using the obsite monitoring wells shown on attached Figure 2 (Plant Plot Plan with Monitoring Well Locations) to monitor for contamination and need for corrective action.

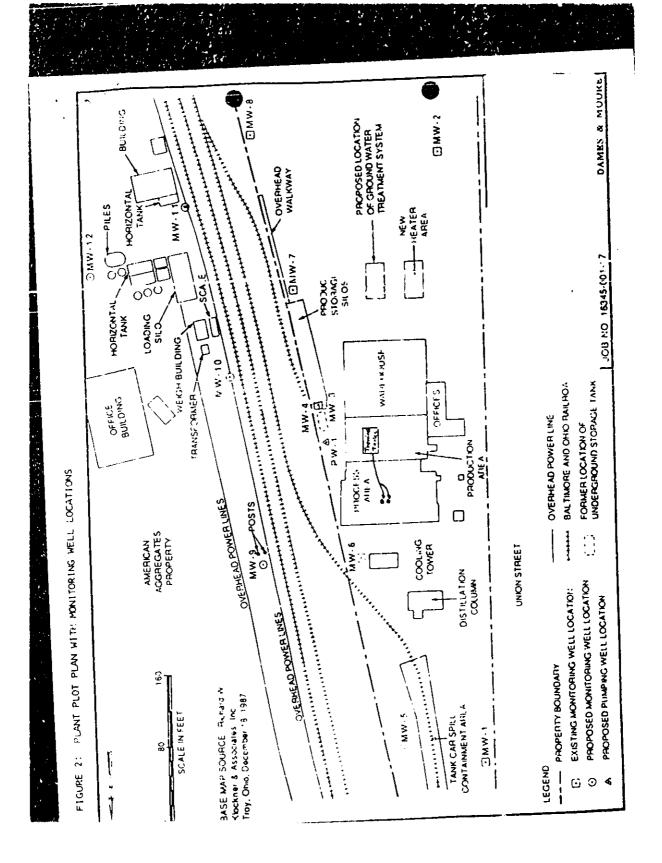
Phase review this proposal and respond to its acceptability.

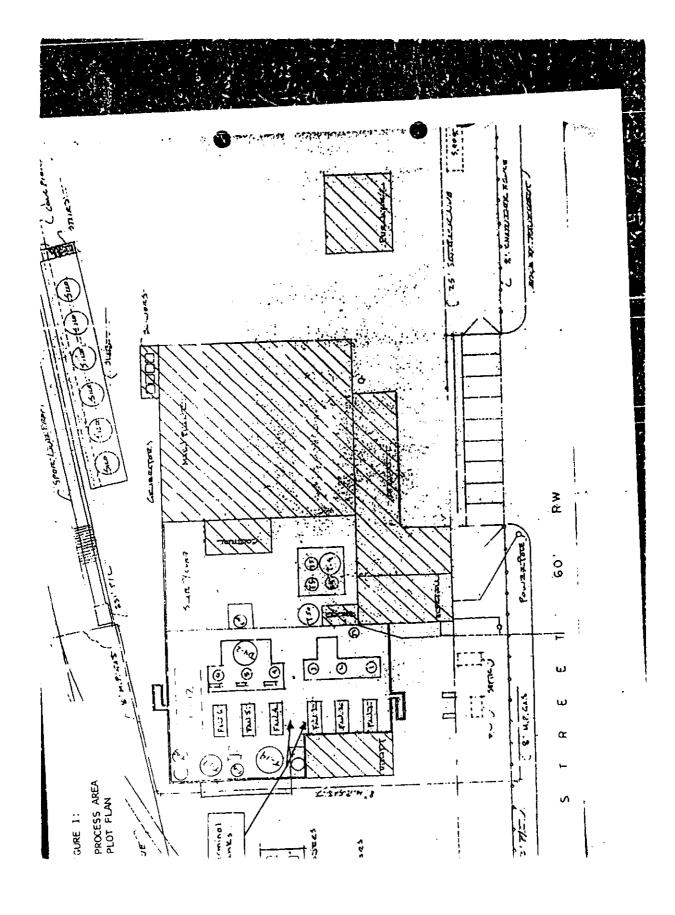
Thank you.

Sincerely

₩-/...

Stephen ! Small Flant Manager







TELEPHONE MEMORANDUM

REPORT 4:155303681.1_1_1_1_1 DATE: 314193
TIME: 12100

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TELEPHONE MEMORANDUM	, N
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TELEPHONE MEMORANDUM

REPORT #: 155303681.1 1.1 1 DATE: 215193
NAME: Stephon Small TITLE: Plent Mayor PHONE (513) 339-3150 AGENCY/COMPANY: Octech Polymens Corp. RELATION TO SITE 90 ADDRESS: 1250 5. Union -12 CITT: Troy 57. CIT 217. 45373
AGENCY/COMPANY: Deltech Polymens Corp. RELATION TO SITE %
ADDRESS: 1250 5. Union -16 CITT: Troy 37.011 217. 45273
Alternate Clasure Pracedure
NOTES & SUMMARY
I asked Mr Small of he could supply our offic with MSDS. sheet's for the two UST's in questions.
- He stated that they could not find a obtain copies of the MSDS sheets.
the MSDS sheets
I asked Mr Small) F he could supply our office with information
Tasked Mr Small IF he could supply our office with information about the UST's in guestion (bow they were utilized 2 operated).
- He stated that they were flow through tanks & that
- He stated that they were flow through tanks to that he had no blue points or any other way to prove this Fact.
I Then asked Mr Soull : A drilling through the concrete to obtain samples would be a problem.
- He stated that it would be a problem because of
- He stated that it would be a problem because of all the machinery in the building
BUSTR STAFF MEMBER: CONTINUED ON BACK: PAGES ATTACHED

DELTECH POLYMER
CORPORATION



Status 112 DUE 2-8-93

1250 SOUTY, UNION STREET TROY, OHIO 45373 (513) 337-3150 FAX (513) 339-7694

January 28, 1993

Primeric of Indoorground Storage Tank Regulation Attention: Andy Lyles, Bureau Chief rice, now 687 Reynoldsburg, OH 43068

part titornate closure acquest for Deltech Polymers Corp.

leitech Perymers Corp. purchased the Troy. Ohio Polystyrene Plant at Sheriff s said in March, 1991. This site had been operated by the now defunct Goodson Polymers. It has come to our attention that two 500 gallon underground Therminol storage tanks were emptied, cleaned and process piping removed by Goodson Polymers in 1988. Sheever, a formal closure procedure was never accomplished.

Here corymers Corp. wishes to formally close these tanks. Here we there tanks are located underneath existing operating each priorit, removal or drilling for samples cannot be accomplished. See the Attachee, figure 1 (Process Area Plot Plan) to see location a tanks in relationship to operational equipment. We wish to come the tanks in place. Because the tanks are small and only have a 2 inch nozzle connection, entry into the tanks is impossible.

As an alternate to the standard closure procedure, we propose using the cosite monitoring wells shown on Attached Figure 2 (Plant Plot illan with Monitoring Well Locations) to monitor for contamination and need for corrective action. Listed below is the proposed formuli closure procedure we wish to implement for these tanks. This has been reviewed with the Troy Fire Department.

Procedures

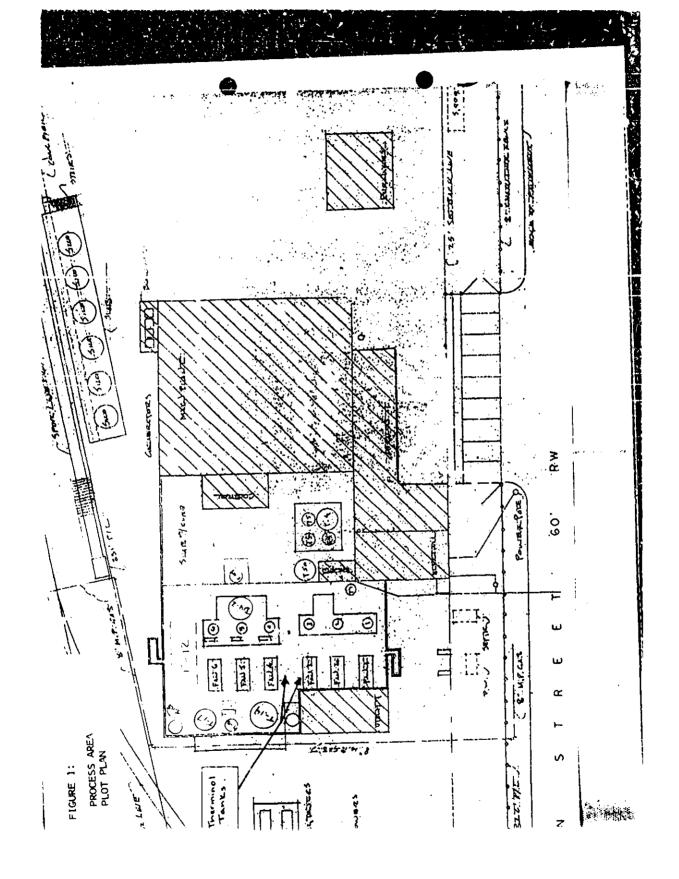
- 1 Vit flammable and organic material has been removed and tanks element.
- And process lines and equipment have been removed.
- A line the tanks with concrete by pumping concrete sturry into the tank.
- i cap poping from the tanks.
- 5. Perument location and closure procedure and maintain these documents on fale.
- 6. Annually sample and analyze monitoring wells for contamination.

5530368

Please review this proposal and respond to its acceptability. We plan no action until you provide us your input.

Stephen T. Small Plant Manager

FOR Troy Fire Debt.
Attn: Dick Zimmerman
19 East Race
Troy: OR 45373



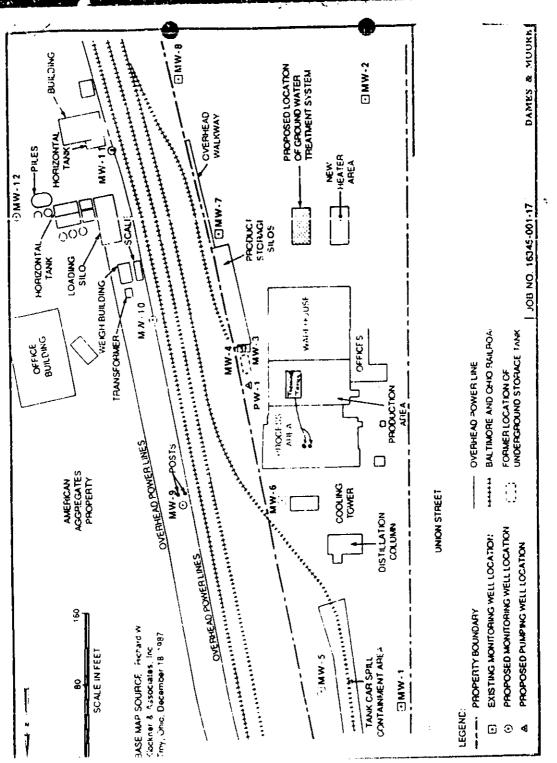


FIGURE 2: PLANT PLOT PLAN WITH MONITORING WELL LOCATIONS

STATE FIRE MARSHAL BUREAU OF UNDERGROUND STORAGE TANKS ABBS EAST MAIR STREAT P.O. BOZ 667 MEYHOLDSBURG, OHIQ 43060-0637

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REGISTRATION FOR UNDERGROUND STORAGE TANKS	STATE USE ONLY	
Bureau of Underground Storage Tanks 8895 East Main Street, P.O. Box 687 Reynoldsburg, Ohio 43068-0687		
REGISTRATION YEAR: 7/1/92 THROUGH 6/30/93		

Tank Registration

Tank registration is renewable each year. It is required by state law for all underground storage tanks that have been used liam. registration is renewable each year. It is required by state law for all underground storage tanks that have been used to store regulated substances and which are currently in use or which were taken out of service after January 1, 1974, in a memore not in compliance with the state and local regulations that were in effect at the time the tanks were taken out of service. This ensual registration is required by Ohio Revised Code \$3737.88. It also satisfies the Fedoral Motification required by Section 9002 of the Resource Conservation and Recovery Act (RCRA), as amended.

- 1. Administrative Code Section 1301:7-9-04(8) requires that, unless examined, owners of underground tanks that store required substances must register the tanks with the State Fire Marsnel. Owner means:

 [a] in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any
- person who owns an underground storage tank used for the storage, was, or dispensing of regulated substances, and (b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that data, any person who owned such tank immediately before the discontinuation of its use.

 Z. Administrative Code Section 1301:7-9-04(B) requires that any person to whom ownership of any UST is transferred shall.
- submit a transfer of UST registration application to the Fire Hershel for each location which is subject to the transfer. The transferor shall notify the transferom of this requirement at the time of the transfer.

Tank Recittration Application Fig:

125.00 pg. tank. Each tank registration application shall be accompanied by the fee wade payable to "Treasurer-State of Chic"

NOTE: Feneral, State and political subdivisions are exampt from paying the fee but they must comply with all other requirements of the underground tank registration rule, including the completion of this form.

| <u>Vhere To Mitify?</u> | Navi | registration application and fee to: Division of State Fire Mershel, Bureau of Underground Storage Tank Regulations, | Registration Section, P.D. Box 687, Reynoldsburg, ON 43066-0687.

When To lea ster?

[1] Owners of underground storage tanks in use or that have been taken out of operation after January 1, [1] Owners of underground storage tanks in use or that have been taken out of operation after January 1, [1] 1974, but not in compliance with applicable state and local regulations must be registered. (2) Owners who bring underground storage tanks into use after November 7, 1990, must register them within 30 days of bringing them into operation.

When Can A Tank Registration de Denie 2 The State Fire Marshal shall deny a tank registration for any of the following reasons: 1. The application does not provide all the information indicated on the prescribed form.

- 2. The owner wto is required to do so did not have the Certified Installer sign the ceth below Section XI of the Tank Registration Application. The owner of a UST installed on or after November 5, 1990, must obtain the signature of the Centified installer who was certified under Rule 1301:7-9-11 of the Administrative Code on the Tank Registration Application The Certified Installer certifies that the installation of the UST system is in compliance with Rule 1301-7-9-06 and that all work listed in the manufacturer's installation checklist has been complated.
- 13. The owner did not submit the tank registration fee required,

Any person who knowingly fails to register or submits false information any be subject to a civil punalty not be exceed \$10,000.00 for each day the registration is late or for which false information is submitted. Any person who knowingly fails to register or submits false information may be subject to conviction of an unclassified falony with a maximum fine of \$25,000.00 and e-ximum imprisonment of 14 months.

II. LOCATION OF TREES. I. OWNERSHIP OF TANKS 853

Deltech Polymers Corporation 1250 S. Union Street Troy, Ohio 45373

some as Ownership

550232

中国 さいていた かいかいかく かんかん かいつかい はんしんかいかい

NUMBER OF TANKS

EIE (6)

Duadent #: 5530368

111. TYPE OF OWNER	IV. INDIAN LAMOS				
Federal Government Commercial	Tanks are located on land within an Indian Reservation or on other trust lands.				
State Government Y Private	Tanks are owned by native American nation, tribe, or individual				
Local Government					
	Y. TYPE OF FACILITY				
Select the Appropriate Facility Description					
Gas Station Railroad	Faire				
Petreleum Distributor Local Go					
Air Taxi (Airline) State 60	varrament Contractor Other (Explain)				
Atrocaft O-mer Federal-	Non-Hilitary Trucking/Transport				
Auto Dealership Federal-	Hilitary Utilities				
1	. CONTACT PERSON IN CHARGE OF TANKS				
Nume '. C. Allmand Jr.	Job Title V.P. Devalopment				
Addres:: P.O. Dromer 97875	tity/State/Lip: Baton Rouge, La. 70874				
Phone (include area code): 504-358	·				
	VII, FINANCIAL RESPONSIBILITY				
accordar	et the financial responsibility requirements in ce with OAC 1301:7-9-05.				
Six tarks or less	And the Court Reductible Assumb I				
	ism Used to Cover Deductible Amount All That Apply) Guarantee & Standby Trust				
OWNER TO NUMBER:	Self Insured Surety Bond & Standby Trust				
CURRENT DEMUCTIBLE AMOUNT:	Insurance (Commercial) Letter of Credit & Standby Trust				
	Risk Retention Group Trust Fund				
PROVI	DER'S NAME:				
1	ION (Reat) and sign after completing all sections)				
I certify under penalty of law that I have penaltsched documents, and that rased on my inquit believe that the submitted information is to	conally examined and an familiar with the information submitted in this and all ry of those individuals immediately responsible for obtaining the information, we, accurate, and complete.				
	Official Title:				
Name of Owner: (MUST TYPE OR PRINT)	Date:				
Signature:	QE .				
Authorized Regresentative: 5.C. Allman	J. Jr. Official Title: V.P. Development				
Authorized Regresentative:) J. Date: Vieles 28, 1992				
	JACE: WATER TO THE PARTY OF THE				

IX. DESCRIPTION OF UNDERGROUND STOAGE TANKS (Complete for each tank at this location) Tank Identification Number Tank No 201 Tank No 212 Tank No 256 Tank No Tank NoT 9 1. Status of Tank (mark only one) TES 755 **_7:3** Currently in Use Temporarily Out of Use Permanently Dut of Use Amendment of Information 2. Date of Installation (mo/year) 1/88 1/88 1/76 8/82 3. Estimated Total capacity (gallons) 30,000 30,000 20,000 5,000 4. Material of Construction (merk all that apply) Asphalt Coated or Bare Steet Cathodically Protected Steel Epoxy Coated Steel Composite (Steel with Fiberglass) Fiberglass Reinforced Plastic Lined Interior YES YES Double Valled Polyethylene Tank Jacket Concrete Excavation Liner Unknown Other (please specify) Has tank been repaired? [5. Piping (Material) (Mark all that apply) B.S. *B.5.* B.S.Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Copper Cathodically Protected Double Valled Secondary Containment Unknown Other, please specify

Tank Identification M	umber	Tank No. 7/9	Tank No. 2 1	Tarsk NoT 12	Tank Hole 4	lank Po
6. Piping (type) (mer						
	Suction: no valve at tank				الــــا	
		ILS	723			
	Suction: valve at tank		YES			
	Pressure					
	Gravity Feed	YES	C7E5			
	Has piping been repaired?	_NO	NO			
7. Substance Current In Greatest Quanti	y or Last Stored					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gasoline					
	;	r			اا	
	Diesel			,		
	Sesoho1					
	Kerosena			الـــــا		
						<u> </u>
	Heating 011					
	Used D13	Styrene	Styrene	Styrene/	Styrene	
	Other (please specify)	Manager -	Monomor—	E thy?benz e	ie Hiec.	
	Mazardous Substance				L	<u> </u>
		ł	\			
	CERCLA name and/or CAS Humber	100-45-2	100-45-2	100-45-2	100-41-4	İ
	CAS Rumber	100-40-E.	100-10-0			•
		i	I	lr	725	
	Hixture of Substances					i
	(Please specify)					
	X. TA	MKS OUT OF USE	, OR CHANGE IT	SERVICE	T	
1. Closing of Tank	d at-and data from wood		1	1	1	ļ
Α.	Estimated date last used (mc./day/year)	i	İ			
	***!]
.	Estimated date tank closed (mo./day/yeur)	ì	İ			
				·	 	
c.	Tank was removed from ground					
	Tank was closed in ground					
E.	Tank filled with inert material Describe		<u> </u>			
				<u> </u>		
F.	Change in service					
		ļ				
2. Site Assessment	Completed					
[vidence of a leak	detected		·			

XI. CERTIFICATION	OF COMPLIANCE (COMPLETE					
nk Identification Humber		lark No 7/9	Tank to 2-21	Tank No.T = 2	Tenk No Die	Tank No
Installation						<u> </u>
A. Installer certified by ta	nk & piping manufacturer					
8. Installer certified or li	censed by the agency			<u> </u>		
C. Installation inspected by	a registered engineer	YES	<u> </u>			L
O. Installation inspected &	approved by agency					
E. Manufacturer's installati	on checklists completed					
F. Another method allowed by	state agency-specify				<u> </u>	<u> </u>
Kelease Detection (mark all	Line apply)	1 0	1	TAME PIPING 	i tark ipiping	TANK 21
A. Manual tank gauginy						
B. Tank tightness testing						
C. Inventory controls						
D. Automatic tank gauging						
E. Vapor monitoring						
F. Groundwater monitoring			_			
G. Interstitial monitoring d	ouble walled tank/piping					
 Interstitial monitoring/s 	econdary containment					
I. Automatic line leak detec	tors					
J Line tightness testing						-
K. Other method allowed by s	tate agency-specify					
	·				ļ <u>.</u>	
Spill and Overfill Protectio	1					
A. Overfill device installed		YES	YES	YES	YES	
R Smill device installed		LYES	YES	لـــــا	لـــــا	

NEW TANK INSTALLATION ONLY

OATH: I certify the information concerning in	estallation that is provided in Section XI is true to the best of $m_{ m p}$ knowledge.
Installer Name: (NUST TYPE OR PRINT)	Position:
Installer ID Number:	A sufficient function Bates
Signeture:	Date:

TX. DESCRIPTION OF UNDERGROUND STORAGE	E TANKE (Comp.)	ets for such :	lack at this)a-41105)	
Tank Identification Humber	Tink No.5	Tank No	Tack No. 1		
. Status of Tank (mark only one)	E. Therm	T	a. The		
Currently in the					
Temporarily Out of the					
Permanently Out of Use	ILS				
Amendment of Information][
Date of Installation (mo/year)	/1978	-∤			<u> </u>
. Estimated Total capacity (gallons)			/1979		-
Material of Construction /mark all that apply)	500	 	500		
Asphalt Costed on Bare Steel	B.S.	ıİr	ار	_ <i>_</i>	[
Cathodicelly Protected Steel					
Epoxy Coated Steel	[
·			,		
Composite (Steel with Fiberglass)			/ \		·
Fiberglass Reinforced Plastic				-/i	!
Lined Interior		<u> </u>][
Double Walled		ļ ———			$\square i$
Polysthylene Tank Jacket					
Concrete					$\square a$
Excavation Liner					
Unknown					
Other (please specify)				.	_
Has tank been repaired?				ار	_
Piping (Material) (Mark all thei apply)				-	
Bare Steel	8.5.		8.5.	וֹוְרַ	-
Galvanized Steel					7 -
Fiberglass Reinforced Plastic					_ _
Copper					_ -
Cathodically Protected					<u> </u>
•					_ -
Double Welled					<u> </u>
Secondary Containment	i			L	
Unknown	ــــا اِ(
Other, please specify				l	- -

# I. CERTIFICATION OF CONPLIANCE (COMPLETE FOR ALL NEW AND UMGRADED TRINS AT THIS COCATION) # Identification Mumber Tank No	TOTAL COMPLETE	OR ALL NEW AND UPGRADED TOTAL	
Installation A. Installer certified by tank & piping manufacturer 8. Installer certified or licensed by the agency C. Installation inspected by a registered engineer D. Installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify TANK PIPING TANK PIPING TANK PIPING TANK PIPING TANK PIPING TANK PIPING A. Hamual Lain gauging C. Inventory controls D. Automatic tank gauging C. Vapor monitoring C. Inventory controls D. Automatic tank gauging E. Vapor monitoring C. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection N/A N/A N/A N/A N/A N/A N/A N/		Tank Ho	
A. Installer certified by tank & piping manufacturer B. Installer certified or licensed by the agency C. Installation inspected by a registered engineer D. Installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify Release vetection (Park all that 1997/1) A. Hanual Lank gauging B. Tank tightness testing C inventory controls D Automatic tank gauging E. Yapor monitoring G. Interstitial monitoring/secondary containment I. Automatic line leak detactors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection N/A N/A N/A N/A N/A N/A N/A N/	Identification Number	[F. Therm]	
8. Installation inspected by a registered engineer 0. Installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify Release Detection (New all that apply) A. Hamual Lank gauging 8. Tank tightness testing C inventory controls 2 Automatic tank gauging E. Vapor monitoring G. Interstitial monitoring double walled tank/piping W. Interstitial monitoring/secondary containment 1. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A R/A R/A R/A 3. Spill and Overfill Protection	nstallation	1	
8. Installation inspected by a registered engineer 0. Installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify Release Detection (New all that apply) A. Hamual Lank gauging 8. Tank tightness testing C inventory controls 2 Automatic tank gauging E. Vapor monitoring G. Interstitial monitoring double walled tank/piping W. Interstitial monitoring/secondary containment 1. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A R/A R/A R/A 3. Spill and Overfill Protection	 Installer certified by tank & piping manufacturer 		
C. Installation inspected by a registered engineer D. Installation inspected & approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify Release Detection (New all that apply) A. Hanual Levik gauging B. Tank tightness testing C inventory controls D Automatic tank gauging E. Vapor monitoring G. Interstitial monitoring double wailed tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection #/A #/A #/A #/A #/A #/A #/A #/	A. Installer certified or licensed by the agency		
D. Installation inspected a approved by agency E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify Release Detection (New will that apply) A. Hanual Lenk gauging B. Tank tightness testing C. Inventory controls D. Automatic tank gauging E. Vazor monitoring G. Interstitial monitoring double walled tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detactors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection MA. HAA. HAA.	r installation inspected by a registered engineer		
E. Manufacturer's installation checklists completed F. Another method allowed by state agency-specify TANK PIPING TANK PIPIN	n terrellation inspected & approved by agency		
F. Another method allowed by state agency-specify TANK PIPING TAN	o. Wassignturer's installation checklists completed		
A. Hanusi Lank gauging B. Tank tightness testing C inventory controls D Automatic tank gauging E. Varor monitoring G. Interstitial munitoring double walled tank/piping H. Interstitial munitoring/secondary containment I. Automatic line leak detactors J. Line tightness testing K. Other method allowed by state agency-specify R/A R/A R/A R/A	E. Manufacturar a state agency-specify	Langue Tabe IDIL: NG TA	K PIPI
A. Hanual Lank gauging B. Tank tightness testing C inventory controls D Automatic tank gauging E. Vapor monitoring F. Groundwater monitoring G. Interstitial monitoring double walled tank/piging R Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A	F. Another method allowing by		_
B. Tank tightness testing C inventory controls 3 Automatic tenk gauging E. Vasor monitoring F. Groundwater monitoring G. Interstitial monitoring double wailed tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A			_
2 Automatic tank gauging E. Vapor monitoring F. Groundwater monitoring ii. Interstitial monitoring double wailed tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A	A. Hanual Lank gauging		7
D. Automatic tank gaiging E. Vapor monitoring F. Groundwater monitoring G. Interstitial monitoring double wailed tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A	B. Tank tightness testing		_
Automatic tank gauging E. Vapor monitoring F. Groundwater monitoring Ü. Interstitial monitoring double wailed tank/piping R. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection R/A R/A	C inventory controls		_ _
F. Groundwater monitoring ü. Interstitial monitoring double wailed tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection	3 Automatic tank gauging		_ _
### Counting the Counting of			-
i. Interstitial manitoring double wailed tank/piping H. Interstitial manitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection M/A M/A			_
I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection); Groundward monitoring double walled tank/pipt		
I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection M/A M/A	G. Interstitial modern		
J. Line tightness testing K. Other method allowed by state agency-specify 3. Spill and Overfill Protection	H Interstitial monitoring/seconds		
X. Other method allowed by state agency-specify 3. Spill and Overfill Protection #/A #/A			\ _
3. Spill and Overfill Protection R/A N/A	J. Line tightness testing		
3. Spill and Overfill Protection	K. Other method allowed by state agency-specify		
3. Spill and Overfill Protection		N/A	
	3 Spill and Overfill Protection	M/A	

NEW TANK INSTALLATION ONLY

that is provided in Section XI is true to the best of my knowledge.
Position:
Certification Expiration Date:
Ost*:

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SUSPECTED RELEASE REPORT

61563101316181.10101.1641931	DATE: 2/4/93
PERSON REPORTING THE RELEASE	TINE: 3:00
Stephen T. Small TITLE: Plant Manager	PHONE: (513) 337-3150
	ATION TO SITE: Correct Property Comm
is: 1250 South Unan Street CITY: Tray	ST: <u>OH</u> ZIP: <u>453</u> 3
5: Oute note to time SEM read report	
SUSPECTED RELEASE LOCATION	#S7
LE SUSPECTED SOURCES? YES NOUNDETERMINED	COTINTY: M
TY: Deltech Polyners Corp.	
S: 12 50 South Union St.	
Try ST: OH ZIP: 45373	_ PHONE: ()
NER: Perably - Gordson Polymons	_ PHONE: ()
ERATOR:	PHONE: ()
: Ait wante closure Regrest.	
wo Thermine UST's abandment in 1988 -	No closure was
Formed 11 ST's may have contained Some type	of PCB's or heat
ranster al (Par F.D.)	~ ~
PT: Tray F.D. CONTACT: O.ck Zimmerman	
CONDITIONS LEADING TO REPORT OF SUSPECTED RELEASE (Che	
wentory control results indicate a release may have occ	
sting, monitoring or sampling results indicate a releas	
usual operating conditions observed (e.g., sudden drop	
mpacts noticed in area surrounding tank (e.g., vapors, w	rell contaminated, run-off).
ill or overfill of petroleum in excess of 25 gallons.	
il/Groundwater contamination discovered during non-clos	
osure (or replacement) assessment results indicate that	a release has occurred.
CONDITIONS:	
*******COMPLETE REVERSE SIDE******	
10] REPORT DISPOSITION (Indicate actions taken on rever	rse side)
IY: EMERGENCY ACTION? YES NO BY;	ACM OEPA (7 %) SZ
REPORT / ACTION APPROVED:	July DATE 3/E/83
DATE MAR 8 1993	
STATUS: RPT SUS DIS CON ICA ICR PRIORITY: 12 3 4	CLASS: A B C(D) LTF: 1 (2) 6
ICC SAS SAC CAS CAP NFA	OTHER:

(4) RELEASE INFORMATION
DATE FIRST DETECTED: / TIME: : EST CHANTITY: // /
SUBSTANCE RELEASED/DETECTED: GASOLINE DIESEL FUEL KEROSINE USED OIL
OTHER PERRO RAZ SUBST UNKNOWN EST, DURATION: 1/_ \nu
MEDIA EFFECTED (Check all that apply): SOIL PAVEMENT BASEMENT SEWER
GROUNDWATER SURFACE WATER OTHER: Trainel
ELIGIBLE? YES NO If no, why?:
— [5] UST INFORMATION
FACILITY REGISTRATION CURRENT? YES NO UNKNOWN (Attach USTR's for all facilities)
NUMBER OF TANKS: 2 RELEASE DETECTION METHOD: Unk
-CONST SUBSTANCE -CONST SUBSTANCE AGE CAPACITY MATERIAL STURED STATUS AGE CAPACITY MATERIAL STORED STATUS
AGE CAPACITY MATERIAL STURED STATUS Unk Soo unk Terminol abouted
W W W
PROBABLE LOCATION OF RELEASE: TANK NO. PIPE BETWEENO AND
PROBABLE CAUSE: LINK
OTUPE POTENTIAL COMPANY AT THE PROPERTY OF THE
OTHER POTENTIAL SOURCES AT THIS LOCATION: Todas total Site
- [6] SITE/HAZARD INFORMATION
IMPORTANT SITE OR SURROUNDING AREA CHARACTERISTICS: Freustrial area
PROXIMITY TO DRINKING WATER SOURCES: A. en Supplied by Municipal water
Office and the second s
OTHER FIRE/WATER/HEALTH HAZARDS AT THE SITE:
[7] INITIAL RESPONSE ACTIONS BY OWNER/OPERATOR (Check all that apply)
Release confirmation/Investigation Initial site investigation
Free product removal
Long term corrective action plan None
[8] WERE ANY OTHER AGENCIES NOTIFIED PRIOR TO BUSTR? (As Reported)
AGENCY: DATE:DATE:
(A) b iicts Actions to your
193 Dick Zimmerman 3/3/93 Boud Dominan /Miami County H.D. 19 E. Race St. 3232 N. County Rd.
19 E. Race St. 3252 N. County R.D.
Tow 5H 45378 1.5A
21 (10)
(SI) 2 6079 Septine Mema Our office
CALLS TO: ED, LHD, LPW, ODH OEPA/ER, OEPA/DPDW, OEPA/DGW, OTHER

APPROXIMATE SCALE: I INCH - 60 FEET

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